



PowerFlex 6000 Medium Voltage AC Drives

Bulletin Numbers 6000G, 6000T

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Summary of Changes

This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes.

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Updated Overview	3
Updated table Drive Specifications	5, 6
Updated 'UL - IEC Rated' table titles	18, 21, 37, 41, 45
Updated Cable Considerations	48
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Overview

The PowerFlex® medium voltage drives family can deliver the performance your application demands with a broad selection of drives and options. PowerFlex 6000 drives are suitable for a wide range of applications including fans, pumps, compressors, conveyors, and mills.

Suitable for new and retrofit applications, PowerFlex 6000 drives provide solutions for induction and permanent magnet motor control applications from 150...10,950 kW (200...14,600 HP), for motors rated from 2.3...11 kV. Air-cooled PowerFlex 6000 drives are designed to maximize energy efficiency by enabling soft-starting and variable-speed control in both normal duty and heavy-duty applications. PowerFlex 6000 AC drives allow for flexibility in a variety of applications and are available in many configurations based on motor voltage, and available to meet either IEC or UL/CSA requirements. PowerFlex 6000T drives can control motors up to 120 Hz frequency, across all voltage and current ratings.^(a)

PowerFlex 6000T drives feature flexible high-performance control that includes flux vector (with load sharing capabilities), sensorless vector, and V/Hz control. Along with standard DeviceLogix™ capability, the drive is designed with real-time operational intelligence that offers predictive and preventive maintenance algorithms, and provide real-time alerts. PowerFlex 6000T drives also include:

- Extensive input power monitoring functionality for kW, kVA, kVAR, elapsed kWh, MWh, and power factor
- Quick and secure flash-over-fiber firmware updates for all main control boards and power cells from a single file
- More comprehensive and faster troubleshooting with the Forensic Data Recorder functionality

Automated commissioning and optimization are supported with:

- Built-in adaptive control capability with Load Observer — Real-time tuning technology that automatically compensates for unknown load disturbances, and adjusts for applications with varying inertia and torque requirements during operation
- Adaptive tuning monitors real-time drive and system performance characteristics, and uses notch filters to suppress potentially harmful resonance and vibration conditions

Easy configuration, integration, and visualization for PowerFlex 6000T drives can be achieved in the Studio 5000® design environment. The Add-on Profile (AOP) is the preconfigured data translator, visual user interface, and data configurator all rolled into one. It is also the primary tool that sends drive data to the control system.

PowerFlex 6000T drives also have full device profile support in Connected Components Workbench™ software, which makes it easier to configure, program, and visualize in a single software package. For simplicity and ease of use, all user interfaces, HIM, and software, support multiple languages such as Portuguese, French, Spanish, German, Polish, and Simplified Chinese.

PowerFlex 6000T drives are CIP Security™ compliant. Enabled to support your in-depth defense strategy and helps secure itself against cyber incidents.



(a) Excludes 10 kV and 11 kV from 0...215 A.

Catalog Number Explanation

Use this catalog numbering table chart to understand the configuration of your medium voltage drive. Examples that are given in this section are not intended to be used for product selection. Not all combinations produce a valid catalog number. For questions regarding product availability, contact your Allen-Bradley distributor.

6000T — **A** **A** **140** **M** **J** **6** **AJ** — **J** **HE** **E** — **...xxx.**
 a b c d e f g h i j k l

a

Bulletin Number	
Code	Description
6000G	PowerFlex 6000
6000T	PowerFlex 6000T

b

Drive Frame Size	
Code	Description
A	A-frame (Air-cooled)
B	B-frame (Air-cooled)
H	H-frame (Air-cooled)

c

Service Duty	
Code	Description
A	Normal Duty, 0...1000 m Altitude. Maximum 40 °C Ambient, 110% overload for 1 minute, every 10 minutes
C	Heavy Duty, 0...1000 m Altitude. Maximum 40 °C Ambient, 150% overload for 1 minute, every 10 minutes
Z	Custom Configuration (contact your local Rockwell Automation sales office or Allen-Bradley distributor)

d

Drive Current Rating	
Code	Description
15	15 Amp
680	680 Amp

e

Enclosure Type	
Code	Description
D	Type 1/IP21 (with door gaskets)
M	IP31 (with door gaskets)
K	IP42 (with door gaskets)

f

Nominal System Voltage			
Code	Description	Code	Description
A	2,400V	H	6,300V
B	3,000V	J	6,600V
C	3,300V	K	6,900V
E	4,160V	L	7,200V
G	4,800V	P	8,320V
D	5,500V	R	10,000V
F	6,000V	S	11,000V

f (Continued)

Nominal System Voltage			
Code	Description	Code	Description
T	11,500V	V	13,200V
M	12,000V	W	13,800V
U	12,470V		

g

Line Frequency	
Code	Description
5	50 Hz
6	60 Hz

h

Control Voltage			
Code	Description	Code	Description
AG	110V	AL	220V
AJ	120V	AN	230V
		AP	240V

i

Normal Load (Motor) Voltage			
Code	Description	Code	Description
A	2300V/2400V	F	6000V
B	3000V	H	6300V
C	3300V	J	6600V
E	4000V/4160V	K	6900V
D	5500V	R	10,000V
		S	11,000V

j

Transformer Efficiency	
Code	Description
HE	High Efficiency - Copper
SE	Standard Efficiency - Copper
SA	Standard Efficiency - Aluminum

k

Drive Certificate	
Code	Description
E	IEC
U	UL

l

Options	
See PowerFlex 6000 Medium Voltage AC Drive Options List	

Technical Specifications

If there are discrepancies between information in generic manual specifications and your specific design or electrical drawings, take the DD or EE ratings as the correct values.

Drive Specifications

Attribute	6000G	6000T
Power rating range @ 2.3/2.4 kV motor voltage	—	112...2390 kW (183...3205 HP)
Power rating range @ 3.0 kV motor voltage	—	110...2990 kW (214...4010 HP)
Power rating range @ 3.3 kV motor voltage	—	110...3280 kW (235...4398 HP)
Power rating range @ 4.0/4.16 kV motor voltage	—	144...4140 kW (294...5552 HP)
Power rating range @ 6.0 kV motor voltage	—	150...5970 kW (201...8006 HP)
Power rating range @ 6.6 kV motor voltage	220...1760 kW (295...2360 HP)	160...6570 kW (215...8810 HP)
Power rating range @ 6.9 kV motor voltage	313...2021 kW (416...2708 HP)	2130...6870 kW (2856...9213 HP)
Power rating range @ 10.0 kV motor voltage	200...2800 kW (268...3755 HP)	200...9950 kW (268...13343 HP)
Power rating range @ 11.0 kV motor voltage	220...3000 kW (295...4023 HP)	3390...10950 kW (4546...14684 HP)
Motor type	Induction (asynchronous)	Induction (asynchronous) and Permanent Magnet motors
Input voltage rating	2.4 kV, 3.0 kV 3.3 kV, 4.16 kV 6.0 kV, 6.3 kV 6.6 kV, 6.9 kV 7.2 kV, 10.0 kV 11.0 kV, 13.8 kV 12.47 kV For other input voltage ratings, contact your local sales representative or factory.	
Input voltage tolerance	±10% of Nominal	
Input voltage sag, min	-30% of Nominal	
Input frequency	50/60 Hz, ±5%	
Input impedance device	Multiphase Isolation Transformer	
Input current THD (1st...49th)	Complies with IEEE519-2014 standard	
Output voltage	0...2300/2400V 0...3000/3300V 0...4000/4160V 0...6000/6300V/6600V 0...6900V 0...10000V 0...11000V	
Rectifier configurations	18 pulse (2.3/2.4/3.0/3.3 kV), 24 pulse (4.0/4.16 kV), 30 pulse (6.0 kV), 36 pulse (6.6/6.9/7.2 kV), 48 pulse (10 kV), 54 pulse (11 kV)	
Inverter configuration	Pulse Width Modulated (PWM) power cells	
Power cell rating	40 A, 75 A, 100 A, 120 A, 150 A, 180 A, 200 A	36 A, 50 A, 70 A, 100 A, 140 A, 180 A, 215 A, 250 A, 305 A, 350 A, 438 A, 560 A, 680 A
Power semiconductors	Diodes (rectifier), IGBTs (inverter)	
Medium voltage isolation	Fiber-optic	
Control method	Sensorless Vector Control and Volts per Hertz	Induction – Flux Vector Control (encoder and encoderless), Sensorless Vector Control, and Volts per Hertz Permanent Magnet – Sensorless Vector Control and Volts per Hertz
Output frequency range	0.5...75 Hz	Induction – 0.3...120 Hz, up to 200:1 Speed Range (FVC CL) Permanent Magnet – 20:1 Speed Range for SVC and V/Hz
Output current THD	I-THD < 3%	
Harmonic voltage factor (HVF)	HVF ≤ 3%	
Acceleration/deceleration time	0...3276 seconds configurable	
Ride-through, minimum	5 cycles	
Flying start capability	Yes	
Service duty rating	Normal duty – 110% overload for 1 min, every 10 min Heavy duty – 150% overload for 1 min, every 10 min	

Drive Specifications (Continued)

Attribute	6000G	6000T
Input power factor	>0.95	
VFD efficiency ⁽¹⁾	96.0...96.5%, depends on drive rating and transformer type	
VFD noise level ⁽²⁾	A-frame drives: 80 dB(A) B and H-frame drives: <85 dB(A)	
UPS ride-through (optional)	7...15 mins	
Operator interface	6.5 in. Win10 IoT Core touch screen	10 in. Enhanced Color touch screen (eHIM) or Enhanced LCD display, Full Numeric, IP 66, UL (optional)
Languages	English, Simplified Chinese, Spanish, Portuguese, Russian, German, French, Italian, Polish, Korean, Japanese, Turkish, Czech	English, Portuguese, French, German, Spanish, Simplified Chinese, Polish (standard)
Control power	120V 60 Hz, 240V 60 Hz, 110V 50 Hz, or 220V 50 Hz (3 kVA)	
External digital input ratings	24V DC	
External digital output ratings	240V AC/5 A	Dry contacts rated at 24V DC, 2 A max
Analog inputs	Four non-isolated: 4...20 mA	Two isolated: 0...10V DC
Analog outputs	Four isolated: 4...20 mA or 0...5V DC (optional)	Two non-isolated: 0...10V DC or 4...20 mA
Communications protocols (optional)	Modbus RTU (RS-485), Modbus TCP (RJ45), Modbus Plus (RS-485), PROFIBUS (RS-485), PROFINET (RJ45), EtherNet/IP™ (RJ45)	
Enclosure	Standard - NEMA Type 1 / IP31 Optional - IP42	
Structure finish	Epoxy Powder - Paint Exterior - Sandtex Light Gray (similar to RAL 7035) textured with Black (similar to RAL 8022), textured LV Door Internal - Control Sub Plates - High Gloss White (similar to RAL 9003)	
Corrosion protection	Control boards are conformal coated where possible Unpainted parts (Zinc-plated / Bronze Chromate)	
Ambient temperature (operating)	0...40 °C (32...104 °F) (standard), 0...50 °C (32...122 °F) (optional with derating)	
Ambient temperature (storage)	-25...+55 °C (-13...+131 °F)	
Relative humidity, max	95% noncondensing	
Power loss auto restart	Yes	
Power cell bypass	Optional for up to 680 A	
Altitude	0...1000 m (0...3280 ft) (standard) 1001...5000 m (3284...16404 ft) (contact factory)	
Short-circuit rating	31.5 kA rms symm for 0.1 seconds	
BIL ratings	30...95 kV, depends on drive size and surge arresters (optional)	
Motor cable distance, max	Up to 800 m (2624 ft)	Up to 800 m (2624 ft) Up to 2 km (6561 ft) with output dV/dt filter, for standard NEMA MG1 motors Up to 10 km (32,808 ft) with custom filter
Seismic enclosure rating	IBC 2018 for worst case excluding class F, ASCE-7-16	

(1) Depends on transformer.

(2) Without redundant fan option. With redundant fan option: <215 A is 83 dB(A), 216...680 A remains as 85 dB(A).

Standards and Certifications

The PowerFlex 6000 drive meets most common standards from these organizations:

- National Electrical Code (NEC)
- International Electrotechnical Commission (IEC)
- National Electrical Manufacturers Association (NEMA)
- Underwriters Laboratories (UL)
- Canadian Standards Association (CSA).

See rok.auto/certifications for Declarations of Conformity, Certificates, and other certification details.

Dimensions

The [Drive Dimensions](#) graphic and table define the dimensions that are listed in the Product Selection Tables for [PowerFlex 6000T Drive Selection on page 8](#) and [PowerFlex 6000G Drive Selection on page 40](#).

Drive Dimensions



For high current, high voltage ratings some drives require a split transformer design. In this case, there will be a third cabinet (W3)

Approximate Dimensions				Approximate Weights	
W1	Width of cabinet 1	D	Total depth	W1	Weight of cabinet 1
W2	Width of cabinet 2	H1	Height of cabinet	W2	Weight of cabinet 2
W3	Width of cabinet 3 (when applicable)	H2	Height of fan	W3	Weight of cabinet 3 (when applicable)
W	Total width (including W3 when applicable)	H	Total height (including fan)	W	Total weight

Product Selection Tables

The PowerFlex 6000 drive selection tables are based on two types of drive service duty ratings.

- Normal Duty (110% overload for 1 minute, once every 10 minutes)
 - Used for Constant Torque (CT) or Variable Torque (VT) applications. Drives with this rating are designed for 100% continuous operation, with 110% overload for 1 minute, once every 10 minutes.
- Heavy Duty (150% for 1 minute, once every 10 minutes)
 - Used for Constant Torque (CT) or Variable Torque (VT) applications. Drives with this rating are designed for 100% continuous operation, with 150% overload for 1 minute, once every 10 minutes.

For ratings >407 A, contact the factory for additional design considerations.

PowerFlex 6000T Drive Selection

PowerFlex 6000T Drive – Normal Duty (UL Rated)

2400V Input & 2300/2400V AC Output (18 Pulse Configuration - 9 Power Cells) - 60 Hz

Base Catalog Number		Output Amps		Typical Motor Power Rating		Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)									
						Normal Duty		Width		Depth		Height		Height															
						Continuous	1 min.	KW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	W1	W2	W3 (where applicable)	Total Weight
6000T - AA650.A____- AHEU	50	55	149	2.00	1210	47.6	1250	49.2	2328	91.7	470	18.5	2798	110.2	2130	84.6	—	—	—	—	2130	84.6	—	—	2130	84.6	—	—	4696
6000T - AA70.A____- AHEU	70	77	224	3.00	1210	47.6	1250	49.2	2328	91.7	470	18.5	2798	110.2	2190	86.2	—	—	—	—	2190	86.2	—	—	2190	86.2	—	—	4828
6000T - AA100.A____- AHEU	100	110	298	4.00	1610	63.4	1250	49.2	2328	91.7	560	22.0	2888	113.7	2350	92.5	—	—	—	—	2350	92.5	—	—	2350	92.5	—	—	5181
6000T - AA116.A____- AHEU	116	128	373	5.00	1610	63.4	1250	49.2	2328	91.7	560	22.0	2888	113.7	2370	93.7	—	—	—	—	2370	93.7	—	—	2370	93.7	—	—	5225
6000T - AA140.A____- AHEU	140	154	447	6.00	1610	63.4	1250	49.2	2328	91.7	560	22.0	2888	113.7	2460	96.5	—	—	—	—	2460	96.5	—	—	2460	96.5	—	—	5423
6000T - AA160.A____- AHEU	160	176	522	7.00	1910	75.2	1250	49.2	2328	91.7	560	22.0	2888	113.7	3080	121.3	—	—	—	—	3080	121.3	—	—	3080	121.3	—	—	6790
6000T - AA180.A____- AHEU	180	198	597	8.00	1910	75.2	1250	49.2	2328	91.7	560	22.0	2888	113.7	3160	124.8	—	—	—	—	3160	124.8	—	—	3160	124.8	—	—	6967
6000T - AA215.A____- AHEU	215	237	671	9.00	1910	75.2	1250	49.2	2328	91.7	560	22.0	2888	113.7	3310	129.9	—	—	—	—	3310	129.9	—	—	3310	129.9	—	—	7297
6000T - BA230.A____- AHEU	230	253	790	1059	1605	63.2	2205	86.8	2205	86.8	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1400	55.1	3086	8157	—	—	11,244
6000T - BA250.A____- AHEU	250	275	880	1180	1605	63.2	2205	86.8	2205	86.8	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1400	55.1	3086	8157	—	—	11,244
6000T - BA265.A____- AHEU	265	282	910	1220	1605	63.2	2205	86.8	2205	86.8	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1400	55.1	3086	8157	—	—	11,244
6000T - BA285.A____- AHEU	285	314	980	1314	1605	63.2	2205	86.8	2205	86.8	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1400	55.1	3086	8157	—	—	11,244
6000T - BA305.A____- AHEU	305	336	1070	1435	1605	63.2	2205	86.8	2205	86.8	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1400	55.1	3086	8157	—	—	11,244
6000T - BA325.A____- AHEU	325	358	1120	1502	1605	63.2	2505	98.6	2505	98.6	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1400	55.1	3086	8157	—	—	11,244
6000T - BA350.A____- AHEU	350	385	1230	1649	1605	63.2	2505	98.6	2505	98.6	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1400	55.1	3086	8157	—	—	11,684
6000T - BA378.A____- AHEU	378	418	1300	1743	2205	86.8	2505	98.6	2505	98.6	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1850	62.5	4079	8818	—	—	12,887
6000T - BA408.A____- AHEU	408	449	1400	1877	2205	86.8	2505	98.6	2505	98.6	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1850	62.5	4079	9259	—	—	13,338
6000T - BA438.A____- AHEU	438	482	1540	2065	2205	86.8	2505	98.6	2505	98.6	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	1850	62.5	4079	9700	—	—	13,779
6000T - BA475.A____- AHEU	475	523	1630	2186	2205	86.8	2505	98.6	2505	98.6	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	2000	62.5	4409	10141	—	—	14,550
6000T - BA515.A____- AHEU	515	567	1770	2374	2205	86.8	2505	98.6	2505	98.6	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	2000	62.5	4409	10,803	—	—	15,212
6000T - BA560.A____- AHEU	560	616	1970	2642	2205	86.8	2805	110.4	2805	110.4	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	2000	62.5	4409	11,905	—	—	16,314
6000T - BA600.A____- AHEU	600	680	2080	2762	2205	86.8	2805	110.4	2805	110.4	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	2050	62.5	4519	12,125	—	—	16,645
6000T - BA640.A____- AHEU	640	704	2200	2950	2205	86.8	2805	110.4	2805	110.4	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	2050	62.5	4519	12,787	—	—	17,306
6000T - BA680.A____- AHEU	680	748	2300	3205	2205	86.8	2805	110.4	2805	110.4	—	—	—	—	1400	55.1	2328	91.7	470	18.5	2798	110.2	2050	62.5	4519	13,668	—	—	18,188

PowerFlex 6000T Drive – Normal Duty (IEC Rated)

11000V Input & 3000V AC Output (18 Pulse Configuration – 9 Power Cells) – 50 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)				
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight	
	Continuous (110%)	KW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm													Inches
																	W	D	H1	H2	H								
6000T - AA40.S..... - BHEE	40	150	201	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2684	(1)	—	2684	5917	(1)	—	—	5917	—	—	—	5917
6000T - AA50.S..... - BHEE	50	200	268	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2914	(1)	—	2914	6424	(1)	—	—	6424	—	—	—	6424
6000T - AA61.S..... - BHEE	61	250	335	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3024	(1)	—	3024	6667	(1)	—	—	6667	—	—	—	6667
6000T - AA77.S..... - BHEE	77	315	422	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3381	(1)	—	3381	7454	(1)	—	—	7454	—	—	—	7454
6000T - AA85.S..... - BHEE	95	400	536	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3741	(1)	—	3741	8247	(1)	—	—	8247	—	—	—	8247
6000T - AA118.S..... - BHEE	118	500	671	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3831	(1)	—	3831	8446	(1)	—	—	8446	—	—	—	8446
6000T - AA140.S..... - BHEE	140	600	805	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3931	(1)	—	3931	8666	(1)	—	—	8666	—	—	—	8666
6000T - AA180.S..... - BHEE	180	750	1006	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4366	(1)	—	4366	9625	(1)	—	—	9625	—	—	—	9625
6000T - AA186.S..... - BHEE	186	800	1073	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4406	(1)	—	4406	9714	(1)	—	—	9714	—	—	—	9714
6000T - AA215.S..... - BHEE	215	900	1207	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4456	(1)	—	4456	9824	(1)	—	—	9824	—	—	—	9824

(1) A01 design

PowerFlex 6000T Drive – Normal Duty (IEC Rated)
 3300V Input & 3300V AC Output (18 Pulse Configuration – 9 Power Cells) – 50 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)			Base Drive Weight (lbs)				
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		W1		W2		W3 (where applicable)		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches								
																					H1	H2	H					
6000T - AA40.C..... - CHEE	40	44	150	201	1210	47.6	—	1210	47.6	1250	49.2	2328	91.7	470	18.5	2798	110.2	2210	4872	—	—	—	2210	4872	—	—	4672	
6000T - AA50.C..... - CHEE	50	55	200	268	1210	47.6	—	1210	47.6	1250	49.2	2328	91.7	470	18.5	2798	110.2	2270	5004	—	—	—	2270	5004	—	—	5004	
6000T - AA61.C..... - CHEE	61	67	250	335	1210	47.6	—	1210	47.6	1250	49.2	2328	91.7	470	18.5	2798	110.2	2300	5071	—	—	—	2300	5071	—	—	5071	
6000T - AA77.C..... - CHEE	77	85	315	422	1610	63.4	—	1610	63.4	1250	49.2	2328	91.7	560	22.0	2888	113.7	2440	5379	—	—	—	2440	5379	—	—	5379	
6000T - AA95.C..... - CHEE	95	105	400	536	1610	63.4	—	1610	63.4	1250	49.2	2328	91.7	560	22.0	2888	113.7	2480	5467	—	—	—	2480	5467	—	—	5467	
6000T - AA118.C..... - CHEE	118	130	500	671	1610	63.4	—	1610	63.4	1250	49.2	2328	91.7	560	22.0	2888	113.7	2510	5534	—	—	—	2510	5534	—	—	5534	
6000T - AA140.C..... - CHEE	140	154	600	805	1610	63.4	—	1610	63.4	1250	49.2	2328	91.7	560	22.0	2888	113.7	2600	5732	—	—	—	2600	5732	—	—	5732	
6000T - AA180.C..... - CHEE	180	198	750	1006	1910	75.2	—	1910	75.2	1250	49.2	2328	91.7	560	22.0	2888	113.7	3370	7430	—	—	—	3370	7430	—	—	7430	
6000T - AA186.C..... - CHEE	186	205	800	1073	1910	75.2	—	1910	75.2	1250	49.2	2328	91.7	560	22.0	2888	113.7	3510	7738	—	—	—	3510	7738	—	—	7738	
6000T - AA215.C..... - CHEE	215	237	900	1207	1910	75.2	—	1910	75.2	1250	49.2	2328	91.7	560	22.0	2888	113.7	3630	8003	—	—	—	3630	8003	—	—	8003	
6000T - BA230.C..... - CHEE	230	253	1090	1462	1605	63.2	2505	98.6	—	410	161.8	1400	55.1	2328	91.7	470	18.5	2798	3086	8157	—	—	—	5100	3086	8157	—	11244
6000T - BA250.C..... - CHEE	250	275	1210	1623	1605	63.2	2505	98.6	—	410	161.8	1400	55.1	2328	91.7	470	18.5	2798	3086	8598	—	—	—	5300	3086	8598	—	11684
6000T - BA265.C..... - CHEE	265	292	1250	1676	1605	63.2	2505	98.6	—	410	161.8	1400	55.1	2328	91.7	470	18.5	2798	3086	8598	—	—	—	5300	3086	8598	—	11684
6000T - BA285.C..... - CHEE	285	314	1350	1810	1605	63.2	2505	98.6	—	410	161.8	1400	55.1	2328	91.7	470	18.5	2798	3086	9039	—	—	—	5500	3086	9039	—	12125
6000T - BA305.C..... - CHEE	305	336	1470	1971	1605	63.2	2505	98.6	—	410	161.8	1400	55.1	2328	91.7	470	18.5	2798	3086	9700	—	—	—	5800	3086	9700	—	12787
6000T - BA325.C..... - CHEE	325	358	1540	2065	1605	63.2	2505	98.6	—	410	161.8	1400	55.1	2328	91.7	470	18.5	2798	3086	9700	—	—	—	5800	3086	9700	—	12787
6000T - BA350.C..... - CHEE	350	385	1690	2268	1605	63.2	2505	98.6	—	410	161.8	1400	55.1	2328	91.7	470	18.5	2798	3086	10362	—	—	—	6100	3086	10362	—	13448
6000T - BA378.C..... - CHEE	378	416	1790	2400	2205	86.8	2805	110.4	—	470	185.4	1400	55.1	2328	91.7	470	18.5	2798	3086	10803	—	—	—	6750	4079	10803	—	14881
6000T - BA408.C..... - CHEE	408	449	1930	2588	2205	86.8	2805	110.4	—	470	185.4	1400	55.1	2328	91.7	470	18.5	2798	3086	11684	—	—	—	7150	4079	11684	—	15763
6000T - BA438.C..... - CHEE	438	482	2110	2830	2205	86.8	2805	110.4	—	5010	197.2	1400	55.1	2328	91.7	470	18.5	2798	3086	12346	—	—	—	7450	4079	12346	—	16424
6000T - BA475.C..... - CHEE	475	523	2250	3017	2205	86.8	2805	110.4	—	5010	197.2	1400	55.1	2328	91.7	470	18.5	2798	3086	13007	—	—	—	7900	4409	13007	—	17416
6000T - BA515.C..... - CHEE	515	587	2430	3259	2205	86.8	2805	110.4	—	5010	197.2	1400	55.1	2328	91.7	470	18.5	2798	3086	13669	—	—	—	8200	4409	13669	—	18078
6000T - BA560.C..... - CHEE	560	616	2700	3621	2205	86.8	2805	110.4	—	5010	197.2	1400	55.1	2328	91.7	470	18.5	2798	3086	14771	—	—	—	8700	4409	14771	—	19180
6000T - BA600.C..... - CHEE	600	660	2840	3808	2205	86.8	2805	110.4	—	5010	197.2	1400	55.1	2328	91.7	470	18.5	2798	3086	15432	—	—	—	9050	4519	15432	—	19952
6000T - BA640.C..... - CHEE	640	704	3030	4063	2205	86.8	2805	110.4	—	5010	197.2	1400	55.1	2328	91.7	470	18.5	2798	3086	16314	—	—	—	9450	4519	16314	—	20834
6000T - BA660.C..... - CHEE	660	748	3260	4398	2205	86.8	3205	126.2	—	5410	213.0	1400	55.1	2328	91.7	470	18.5	2798	3086	17416	—	—	—	9950	4519	17416	—	21936

PowerFlex 6000T Drive — Normal Duty (IEC Rated)

1000V Input & 3300V AC Output (18 Pulse Configuration – 9 Power Cells) – 50 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)				
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight	
	Continuous (110%)	KW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm													Inches
																	W1	W2	W3 (where applicable)	D	H1	H2	H						
6000T - AA40.S... - CHEE	40	150	201	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2684	(1)	—	2684	5917	(1)	—	—	5917	—	—	—	5917
6000T - AA50.S... - CHEE	50	200	268	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2914	(1)	—	2914	6424	(1)	—	—	6424	—	—	—	6424
6000T - AA61.S... - CHEE	61	250	335	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3024	(1)	—	3024	6667	(1)	—	—	6667	—	—	—	6667
6000T - AA71.S... - CHEE	71	315	422	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3381	(1)	—	3381	7454	(1)	—	—	7454	—	—	—	7454
6000T - AA85.S... - CHEE	95	400	536	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3741	(1)	—	3741	8247	(1)	—	—	8247	—	—	—	8247
6000T - AA118.S... - CHEE	118	500	671	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3831	(1)	—	3831	8446	(1)	—	—	8446	—	—	—	8446
6000T - AA140.S... - CHEE	140	600	805	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3931	(1)	—	3931	8686	(1)	—	—	8686	—	—	—	8686
6000T - AA180.S... - CHEE	180	750	1006	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4366	(1)	—	4366	9625	(1)	—	—	9625	—	—	—	9625
6000T - AA186.S... - CHEE	186	800	1073	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4406	(1)	—	4406	9714	(1)	—	—	9714	—	—	—	9714
6000T - AA215.S... - CHEE	215	900	1207	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4456	(1)	—	4456	9824	(1)	—	—	9824	—	—	—	9824

(1) A01 design

PowerFlex 6000T Drive — Normal Duty (IEC Rated)

13800V Input & 4000/4160V AC Output (24 Pulse Configuration - 12 Power Cells) - 50/60 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)							
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Width		Width		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight	
	Continuous (110%)	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	mm	Inches	mm	Inches	mm	mm	Inches	mm	mm	Inches	mm	mm	Inches	mm
6000T - AA36.W... - EHEE	36	199	267	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2894	113.2	2894	(1)	2894	(1)	2894	(1)	6380	(1)	6380	(1)	—	—	—	6380
6000T - AA40.W... - EHEE	40	224	300	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3004	113.2	3004	(1)	3004	(1)	3004	(1)	6623	(1)	6623	(1)	—	—	—	6623
6000T - AA50.W... - EHEE	50	261	350	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3084	113.2	3084	(1)	3084	(1)	3084	(1)	6799	(1)	6799	(1)	—	—	—	6799
6000T - AA53.W... - EHEE	53	298	400	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3214	113.2	3214	(1)	3214	(1)	3214	(1)	7086	(1)	7086	(1)	—	—	—	7086
6000T - AA59.W... - EHEE	59	336	450	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3314	113.2	3314	(1)	3314	(1)	3314	(1)	7306	(1)	7306	(1)	—	—	—	7306
6000T - AA70.W... - EHEE	70	373	500	2310	90.9	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3314	113.2	3314	(1)	3314	(1)	3314	(1)	7306	(1)	7306	(1)	—	—	—	7306
6000T - AA78.W... - EHEE	78	447	600	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3721	113.2	3721	(1)	3721	(1)	3721	(1)	8203	(1)	8203	(1)	—	—	—	8203
6000T - AA100.W... - EHEE	100	522	700	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3881	113.2	3881	(1)	3881	(1)	3881	(1)	8556	(1)	8556	(1)	—	—	—	8556
6000T - AA105.W... - EHEE	105	597	800	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4061	113.2	4061	(1)	4061	(1)	4061	(1)	8953	(1)	8953	(1)	—	—	—	8953
6000T - AA116.W... - EHEE	116	671	900	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4221	113.2	4221	(1)	4221	(1)	4221	(1)	9306	(1)	9306	(1)	—	—	—	9306
6000T - AA128.W... - EHEE	128	746	1000	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4231	113.2	4231	(1)	4231	(1)	4231	(1)	9328	(1)	9328	(1)	—	—	—	9328
6000T - AA140.W... - EHEE	140	820	1100	2795	110.0	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4241	113.2	4241	(1)	4241	(1)	4241	(1)	9350	(1)	9350	(1)	—	—	—	9350
6000T - AA160.W... - EHEE	160	932	1250	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4676	113.2	4676	(1)	4676	(1)	4676	(1)	10309	(1)	10309	(1)	—	—	—	10309
6000T - AA180.W... - EHEE	180	1056	1445	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4956	113.2	4956	(1)	4956	(1)	4956	(1)	10926	(1)	10926	(1)	—	—	—	10926
6000T - AA193.W... - EHEE	193	1119	1500	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5046	113.2	5046	(1)	5046	(1)	5046	(1)	11125	(1)	11125	(1)	—	—	—	11125
6000T - AA215.W... - EHEE	215	1193	1600	3010	118.5	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5266	113.2	5266	(1)	5266	(1)	5266	(1)	11610	(1)	11610	(1)	—	—	—	11610

(1) A01 design

PowerFlex 6000T Drive — Normal Duty (IEC Rated)

6000V AC Input/Output (30 Pulse Configuration - 15 Power Cells) - 50 Hz

Table with columns: Base Catalog Number, Output Amps, Typical Motor Power Rating, Dimensions (WxDxH) (Width, Depth, Height), Base Drive Weight (kg), Base Drive Weight (lbs), and Total Weight. The table lists specifications for various drive models (e.g., 6000T-AA25 to 6000T-BA532) across multiple parameters like kW, hp, W1, W2, W3, H1, H2, H, and total weights.

6000V AC Input/Output (30 Pulse Configuration - 15 Power Cells) - 50 Hz (Continued)

Base Catalog Number	Normal Duty												Base Drive Weight (lbs)													
	Output Amps						Typical Motor Power Rating						Base Drive Weight (kg)			Base Drive Weight (lbs)										
	Continuous		1 min.		kW		Hp		W1		W2		W3 (where applicable)		Depth D		Height H1		Height H2		Height H		W1	W2	W3 (where applicable)	Total Weight
6000T - BA560.F....-FHEE	560	616	4920	6598	3205	126.2	3405	134.1	6610	260.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	3050	10700	—	13,750	6724	23,589	—	30,314
6000T - BA568.F....-FHEE	588	647	5050	6772	3205	126.2	3405	134.1	6610	260.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	3100	11000	—	14,100	6834	24,251	—	31,085
6000T - BA67.F....-FHEE	617	679	5300	7107	3205	126.2	3405	134.1	6610	260.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	3100	11400	—	14,500	6834	25,133	—	31,987
6000T - BA648.F....-FHEE	648	713	5570	7469	3205	126.2	4005	157.7	7210	263.9	1600	63.0	2328	91.7	470	18.5	2798	110.2	3100	12,000	—	15,100	6834	26,455	—	33,290
6000T - BA680.F....-FHEE	680	748	5970	8006	3205	126.2	4005	157.7	7210	263.9	1600	63.0	2328	91.7	470	18.5	2798	110.2	3100	12,400	—	15,500	6834	27,337	—	34,172

(1) A01 design

PowerFlex 6000T Drive — Normal Duty (IEC Rated)

1000V Input & 6000V AC Output (30 Pulse Configuration - 15 Power Cells) - 60 Hz

Base Catalog Number	Normal Duty												Base Drive Weight (lbs)													
	Output Amps						Typical Motor Power Rating						Base Drive Weight (kg)			Base Drive Weight (lbs)										
	Continuous		1 min.		kW		Hp		W1		W2		W3 (where applicable)		Depth D		Height H1		Height H2		Height H		W1	W2	W3 (where applicable)	Total Weight
6000T - AA25.S...-FHEE	25	28	200	268	2310	90.9	—	—	2310	90.9	1250	48.2	2328	91.7	547	21.5	2875	113.2	2944	(1)	2944	6490	(1)	—	—	6490
6000T - AA36.S...-FHEE	36	40	250	335	2310	90.9	—	—	2310	90.9	1250	48.2	2328	91.7	547	21.5	2875	113.2	3054	(1)	3054	6733	(1)	—	—	6733
6000T - AA40.S...-FHEE	40	44	315	422	2310	90.9	—	—	2310	90.9	1250	48.2	2328	91.7	547	21.5	2875	113.2	3204	(1)	3204	7064	(1)	—	—	7064
6000T - AA50.S...-FHEE	50	55	375	503	2310	90.9	—	—	2310	90.9	1250	48.2	2328	91.7	547	21.5	2875	113.2	3364	(1)	3364	7416	(1)	—	—	7416
6000T - AA60.S...-FHEE	60	66	450	603	2310	90.9	—	—	2310	90.9	1250	48.2	2328	91.7	547	21.5	2875	113.2	3684	(1)	3684	8122	(1)	—	—	8122
6000T - AA70.S...-FHEE	70	77	560	751	2310	90.9	—	—	2310	90.9	1250	48.2	2328	91.7	547	21.5	2875	113.2	3784	(1)	3784	8342	(1)	—	—	8342
6000T - AA80.S...-FHEE	80	88	630	845	2795	110.0	—	—	2795	110.0	1250	48.2	2328	91.7	547	21.5	2875	113.2	4341	(1)	4341	9570	(1)	—	—	9570
6000T - AA90.S...-FHEE	90	99	750	1006	2795	110.0	—	—	2795	110.0	1250	48.2	2328	91.7	547	21.5	2875	113.2	4451	(1)	4451	9813	(1)	—	—	9813
6000T - AA100.S...-FHEE	100	110	850	1140	2795	110.0	—	—	2795	110.0	1250	48.2	2328	91.7	547	21.5	2875	113.2	4561	(1)	4561	10055	(1)	—	—	10055
6000T - AA110.S...-FHEE	110	121	900	1207	2795	110.0	—	—	2795	110.0	1250	48.2	2328	91.7	547	21.5	2875	113.2	4671	(1)	4671	10298	(1)	—	—	10298
6000T - AA120.S...-FHEE	120	132	1000	1340	2795	110.0	—	—	2795	110.0	1250	48.2	2328	91.7	547	21.5	2875	113.2	4781	(1)	4781	10540	(1)	—	—	10540
6000T - AA140.S...-FHEE	140	154	1120	1502	2795	110.0	—	—	2795	110.0	1250	48.2	2328	91.7	547	21.5	2875	113.2	4891	(1)	4891	10783	(1)	—	—	10783
6000T - AA150.S...-FHEE	150	165	1250	1676	3010	118.5	—	—	3010	118.5	1250	48.2	2328	91.7	547	21.5	2875	113.2	5216	(1)	5216	11499	(1)	—	—	11499
6000T - AA168.S...-FHEE	168	185	1400	1877	3010	118.5	—	—	3010	118.5	1250	48.2	2328	91.7	547	21.5	2875	113.2	5426	(1)	5426	11962	(1)	—	—	11962
6000T - AA180.S...-FHEE	180	198	1500	2012	3010	118.5	—	—	3010	118.5	1250	48.2	2328	91.7	547	21.5	2875	113.2	5636	(1)	5636	12425	(1)	—	—	12425
6000T - AA189.S...-FHEE	189	208	1600	2146	3010	118.5	—	—	3010	118.5	1250	48.2	2328	91.7	547	21.5	2875	113.2	5846	(1)	5846	12888	(1)	—	—	12888
6000T - AA200.S...-FHEE	200	220	1700	2280	3010	118.5	—	—	3010	118.5	1250	48.2	2328	91.7	547	21.5	2875	113.2	6056	(1)	6056	13351	(1)	—	—	13351
6000T - AA210.S...-FHEE	210	231	1800	2444	3010	118.5	—	—	3010	118.5	1250	48.2	2328	91.7	547	21.5	2875	113.2	6266	(1)	6266	13814	(1)	—	—	13814
6000T - AA215.S...-FHEE	215	237	1900	2548	3010	118.5	—	—	3010	118.5	1250	48.2	2328	91.7	547	21.5	2875	113.2	6476	(1)	6476	14277	(1)	—	—	14277

(1) A01 design

PowerFlex 6000T Drive — Normal Duty (UL Rated)

6600V Input & 6300/6600V AC Output (36 Pulse Configuration — 18 Power Cells) — 60 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)									
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight	
	Continuous	1 min.	kW	Hp	W1		W2		D		H1		H2		H		mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
					mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches																		
6000T - BA215.J... - JHEU	215	237	2030	2722	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	5400	—	8000	5732	11,905	—	5732	11,905	—	17,637				
6000T - BA230.J... - JHEU	230	253	2170	2910	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	5700	—	8300	5732	12,566	—	5732	12,566	—	18,298				
6000T - BA250.J... - JHEU	250	275	2410	3232	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6200	—	8800	5732	13,669	—	5732	13,669	—	19,401				
6000T - BA265.J... - JHEU	265	282	2510	3366	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6400	—	9000	5732	14,110	—	5732	14,110	—	19,842				
6000T - BA285.J... - JHEU	285	314	2700	3621	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6700	—	9300	5732	14,771	—	5732	14,771	—	20,503				
6000T - BA305.J... - JHEU	305	336	2950	3956	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	7200	—	9800	5732	15,873	—	5732	15,873	—	21,605				
6000T - BA325.J... - JHEU	325	358	3070	4077	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	7400	—	10,000	5732	16,314	—	5732	16,314	—	22,046				
6000T - BA350.J... - JHEU	350	385	3380	4533	2605	102.6	3205	126.2	—	580	228.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	8000	—	10,700	5732	17,857	—	5732	17,857	—	23,589				
6000T - BA378.J... - JHEU	378	418	3570	4787	3605	141.9	3205	126.2	—	680	268.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	8400	—	11,650	765	18,519	—	765	18,519	—	25,684				
6000T - BA408.J... - JHEU	408	449	3880	5176	3605	141.9	3205	126.2	—	680	268.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	9000	—	12,250	765	19,842	—	765	19,842	—	27,007				
6000T - BA438.J... - JHEU	438	482	4130	5672	3605	141.9	3205	126.2	—	680	268.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	9800	—	13,050	765	21,605	—	765	21,605	—	28,770				
6000T - BA475.J... - JHEU	475	523	4490	6021	3605	141.9	3405	134.1	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3550	10,200	—	13,750	7826	22,487	—	7826	22,487	—	30,314				
6000T - BA515.J... - JHEU	515	567	4870	6531	3605	141.9	3405	134.1	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3550	11,000	—	14,550	7826	24,251	—	7826	24,251	—	32,077				
6000T - BA560.J... - JHEU	560	616	540	7255	3605	141.9	4005	157.7	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3550	11,500	—	15,050	7826	25,353	—	7826	25,353	—	33,180				
6000T - BA600.J... - JHEU	600	660	5670	7603	3605	141.9	4005	157.7	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	12,600	—	16,250	8047	27,778	—	8047	27,778	—	35,825				
6000T - BA640.J... - JHEU	640	704	6050	8113	3605	141.9	4005	157.7	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	13,300	—	16,950	8047	29,321	—	8047	29,321	—	37,368				
6000T - BA680.J... - JHEU	680	748	6570	8810	3405	134.1	3000	118.1	3205	126.2	378.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	7450	—	18,550	8047	16,424	—	8047	16,424	—	40,886				

PowerFlex 6000T Drive – Normal Duty (IEC Rated)

11000V Input & 6300/6600V AC Output (36 Pulse Configuration – 18 Power Cells) – 50 HZ

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)			
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight				
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches									mm	Inches	mm	Inches
																	W1	W2	W3 (where applicable)	D	H1	H2	H					
6000T - AA25.S.-JHEE	25	28	200	268	230	90.9	—	—	230	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3034	6689	—	—	—	3034	6689			
6000T - AA30.S.-JHEE	30	33	250	335	230	90.9	—	—	230	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3034	6887	—	—	—	3034	6887			
6000T - AA36.S.-JHEE	36	40	315	422	230	90.9	—	—	230	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3274	7208	—	—	—	3274	7208			
6000T - AA45.S.-JHEE	45	50	375	503	230	90.9	—	—	230	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3454	7615	—	—	—	3454	7615			
6000T - AA50.S.-JHEE	50	55	450	603	230	90.9	—	—	230	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3794	8364	—	—	—	3794	8364			
6000T - AA60.S.-JHEE	60	66	560	751	230	90.9	—	—	230	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3884	8563	—	—	—	3884	8563			
6000T - AA70.S.-JHEE	70	77	630	846	230	90.9	—	—	230	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3934	86734	—	—	—	3934	86734			
6000T - AA85.S.-JHEE	85	94	750	1006	230	90.9	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4481	9879	—	—	—	4481	9879			
6000T - AA100.S.-JHEE	100	110	900	1207	230	90.9	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4761	10496	—	—	—	4761	10496			
6000T - AA110.S.-JHEE	110	121	1000	1341	230	90.9	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4861	10717	—	—	—	4861	10717			
6000T - AA120.S.-JHEE	120	132	1120	1502	230	90.9	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4971	10959	—	—	—	4971	10959			
6000T - AA140.S.-JHEE	140	154	1250	1676	230	90.9	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	5081	11202	—	—	—	5081	11202			
6000T - AA150.S.-JHEE	150	165	1400	1877	230	90.9	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5526	12183	—	—	—	5526	12183			
6000T - AA160.S.-JHEE	160	176	1500	2012	230	90.9	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5736	12646	—	—	—	5736	12646			
6000T - AA168.S.-JHEE	168	185	1600	2146	230	90.9	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5886	12976	—	—	—	5886	12976			
6000T - AA180.S.-JHEE	180	198	1700	2280	230	90.9	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	6446	13550	—	—	—	6446	13550			
6000T - AA200.S.-JHEE	200	220	1800	2444	230	90.9	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	6366	14035	—	—	—	6366	14035			
6000T - AA210.S.-JHEE	210	231	1900	2548	230	90.9	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	6576	14498	—	—	—	6576	14498			
6000T - AA215.S.-JHEE	215	237	2000	2682	230	90.9	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	6786	14961	—	—	—	6786	14961			

(1) A01 design

PowerFlex 6000T Drive – Normal Duty (UL Rated)

7200V Input & 6900V AC Output (36 Pulse Configuration – 18 Power Cells) – 60 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)					
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight		
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches													mm	Inches
																	D	H1	H2	H										
6000T - BA215.L... - KHEU	215	237	2130	2856	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	5700	8300	5732	12,566	—	—	—	18,298	
6000T - BA230.L... - KHEU	230	253	2270	3044	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	5900	8500	5732	13,007	—	—	—	18,739	
6000T - BA250.L... - KHEU	250	275	2520	3378	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6400	9000	5732	14,110	—	—	—	19,842	
6000T - BA265.L... - KHEU	265	282	2620	3513	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6600	9200	5732	14,550	—	—	—	20,283	
6000T - BA285.L... - KHEU	285	314	2820	3782	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6900	9500	5732	15,272	—	—	—	20,944	
6000T - BA305.L... - KHEU	305	336	3080	4130	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	7400	10,000	5732	16,374	—	—	—	22,046	
6000T - BA325.L... - KHEU	325	358	3210	4305	2605	102.6	3205	126.2	—	—	580	228.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	7700	10,300	5732	16,976	—	—	—	22,708	
6000T - BA350.L... - KHEU	350	385	3530	4734	2605	102.6	3205	126.2	—	—	580	228.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	8400	11,000	5732	18,519	—	—	—	24,251	
6000T - BA378.L... - KHEU	378	418	3740	5015	3605	141.9	3205	126.2	—	—	680	268.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	8700	11,950	765	19,180	—	—	—	26,345	
6000T - BA408.L... - KHEU	408	449	4030	5404	3605	141.9	3405	134.1	—	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	9300	12,550	765	20,503	—	—	—	27,668	
6000T - BA438.L... - KHEU	438	482	4420	5827	3605	141.9	3405	134.1	—	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	10,700	13,350	765	22,267	—	—	—	29,432	
6000T - BA475.L... - KHEU	475	523	4700	6303	3605	141.9	3405	134.1	—	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3550	10,700	14,250	7826	23,589	—	—	—	31,416	
6000T - BA515.L... - KHEU	515	567	5090	6826	3605	141.9	3405	134.1	—	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3550	11,500	15,050	7826	25,353	—	—	—	33,180	
6000T - BA560.L... - KHEU	560	616	5650	7577	3605	141.9	4005	157.7	—	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3550	12,500	16,050	7826	27,558	—	—	—	35,394	
6000T - BA600.L... - KHEU	600	680	5930	7952	3605	141.9	4005	157.7	—	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	13,000	16,050	8047	28,660	—	—	—	36,707	
6000T - BA640.L... - KHEU	640	704	6330	8489	3405	134.1	3000	118.1	118.1	3000	118.1	3000	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	7200	18,050	8047	15,873	—	—	—	39,793	
6000T - BA680.L... - KHEU	680	748	6870	9213	3405	134.1	3000	118.1	118.1	3000	118.1	3000	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	7700	19,050	8047	16,976	—	—	—	41,998	

PowerFlex 6000T Drive – Normal Duty (IEC Rated)

10000V AC Input/Output (48 Pulse Configuration – 24 Power Cells) – 50 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)					Base Drive Weight (lbs)						
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		W		D		H1		H2		H		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches								
																									W1	W2	W3 (where applicable)	W	D	H1	H2	H
6000T - BA210.R... - RHEE	210	231	3010	4036	3355	132.1	2805	110.4	—	6160	242.5	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	7100	10,400	7275	15,653	—	—	—	10,400	7275	15,653	22,928	
6000T - BA223.R... - RHEE	223	245	3200	4291	3355	132.1	2805	110.4	—	6160	242.5	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	7400	10,700	7275	16,314	—	—	—	10,700	7275	16,314	23,589	
6000T - BA236.R... - RHEE	236	280	3380	4533	3355	132.1	3205	126.2	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	7800	11,100	7275	17,196	—	—	—	11,100	7275	17,196	24,471	
6000T - BA250.R... - RHEE	250	275	3660	4908	3355	132.1	3205	126.2	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	8300	11,600	7275	18,298	—	—	—	11,600	7275	18,298	25,574	
6000T - BA263.R... - RHEE	263	289	3770	5056	3355	132.1	3205	126.2	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	8500	11,800	7275	18,739	—	—	—	11,800	7275	18,739	26,051	
6000T - BA276.R... - RHEE	276	304	3950	5297	3355	132.1	3205	126.2	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	8900	12,200	7275	19,621	—	—	—	12,200	7275	19,621	26,896	
6000T - BA290.R... - RHEE	290	319	4150	5565	3355	132.1	3205	126.2	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	9200	12,500	7275	20,283	—	—	—	12,500	7275	20,283	27,558	
6000T - BA305.R... - RHEE	305	336	4460	5981	3355	132.1	3205	126.2	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	9800	13,100	7275	21,605	—	—	—	13,100	7275	21,605	28,881	
6000T - BA325.R... - RHEE	325	358	4680	6249	3355	132.1	3405	134.1	—	6780	266.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	10,200	13,500	7275	22,487	—	—	—	13,500	7275	22,487	29,762	
6000T - BA350.R... - RHEE	350	385	5120	6866	3355	132.1	3405	134.1	—	6780	266.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	11,100	14,400	7275	24,471	—	—	—	14,400	7275	24,471	31,747	
6000T - BA370.R... - RHEE	370	407	5300	7107	3005	118.3	4000	157.5	2805	9810	386.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	4200	8000	16,200	9259	13,228	—	—	—	16,200	9259	13,228	35,715	
6000T - BA390.R... - RHEE	390	429	5590	7496	3005	118.3	4000	157.5	2805	9810	386.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	4200	6200	16,600	9259	13,669	—	—	—	16,600	9259	13,669	36,597	
6000T - BA415.R... - RHEE	415	457	5950	7979	3005	118.3	4000	157.5	2805	9810	386.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	4200	6550	17,300	9259	14,440	—	—	—	17,300	9259	14,440	38,140	
6000T - BA438.R... - RHEE	438	482	6400	8596	3005	118.3	4000	157.5	2805	9810	386.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	4200	7000	18,200	9259	15,432	—	—	—	18,200	9259	15,432	40,124	
6000T - BA460.R... - RHEE	460	506	6590	8837	3405	134.1	4000	157.5	3205	10610	417.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	7200	19,000	10,141	15,873	—	—	—	19,000	10,141	15,873	41,888	
6000T - BA483.R... - RHEE	483	531	6920	9280	3405	134.1	4000	157.5	3205	10610	417.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	7500	19,600	10,141	16,535	—	—	—	19,600	10,141	16,535	43,211	
6000T - BA507.R... - RHEE	507	558	7260	9736	3405	134.1	4000	157.5	3205	10610	417.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	7850	20,300	10,141	17,306	—	—	—	20,300	10,141	17,306	44,754	
6000T - BA532.R... - RHEE	532	585	7620	10,218	3405	134.1	4000	157.5	3205	10610	417.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	8150	20,900	10,141	17,968	—	—	—	20,900	10,141	17,968	46,077	
6000T - BA560.R... - RHEE	560	616	8190	10,983	3405	134.1	4000	157.5	3205	10610	417.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	8650	21,900	10,141	19,070	—	—	—	21,900	10,141	19,070	48,281	
6000T - BA588.R... - RHEE	588	647	8420	11,291	3405	134.1	4000	157.5	3205	10610	417.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4750	8850	22,450	10,472	19,511	—	—	—	22,450	10,472	19,511	49,494	
6000T - BA617.R... - RHEE	617	679	8840	11,854	3405	134.1	4000	157.5	3205	10610	417.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4750	9200	23,150	10,472	20,283	—	—	—	23,150	10,472	20,283	51,037	
6000T - BA648.R... - RHEE	648	713	9280	12,444	3605	141.9	4000	157.5	3405	11,010	433.5	1400	55.1	2328	91.7	470	18.5	2798	110.2	4750	9700	24,150	10,472	21,385	—	—	—	24,150	10,472	21,385	53,242	
6000T - BA680.R... - RHEE	680	748	9950	13,343	3605	141.9	4000	157.5	3405	11,010	433.5	1400	55.1	2328	91.7	470	18.5	2798	110.2	4750	10,300	25,350	10,472	22,708	—	—	—	25,350	10,472	22,708	55,887	

PowerFlex 6000T Drive – Normal Duty (IEC Rated)
 1000V AC Input/Output (54 Pulse Configuration – 27 Power Cells) – 50 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)						Base Drive Weight (lbs)									
	Output Amps		Typical Motor Power Rating		Width		Width		Width		Depth		Height		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight		Total Weight			
	Continuous	1 min.	kW	Hp	W1		W2		W3 (where applicable)		W		D		H1		H2		H		mm		Inches		mm		Inches		mm		Inches		mm		Inches	
					mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
6000T - BA215.S... - SHEE	215	237	3390	4546	3605	141.9	3205	126.2	—	—	8810	288.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	8100	—	11750	8047	17857	—	—	25,904	—	25,904					
6000T - BA230.S... - SHEE	230	253	3620	4854	3605	141.9	3205	126.2	—	—	8810	288.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	8500	—	12150	8047	18739	—	—	26,786	—	26,786					
6000T - BA250.S... - SHEE	250	275	4020	5391	3605	141.9	3205	126.2	—	—	8810	288.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	9300	—	12950	8047	20503	—	—	28,550	—	28,550					
6000T - BA285.S... - SHEE	285	282	4180	5605	3605	141.9	3205	126.2	—	—	8810	288.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	9600	—	13250	8047	21164	—	—	29,211	—	29,211					
6000T - BA285.S... - SHEE	285	314	4490	6021	3605	141.9	3405	134.1	—	—	7010	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	10,200	—	13,850	8047	22,487	—	—	30,534	—	30,534					
6000T - BA305.S... - SHEE	305	336	4910	6584	3605	141.9	3405	134.1	—	—	7010	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	11,100	—	14,750	8047	24,471	—	—	32,518	—	32,518					
6000T - BA325.S... - SHEE	325	358	5120	6866	3605	141.9	3405	134.1	—	—	7010	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	11,500	—	15,150	8047	25,353	—	—	33,400	—	33,400					
6000T - BA350.S... - SHEE	350	385	5630	7550	3605	141.9	4005	157.7	—	—	7610	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	13,100	—	16,750	8047	28,881	—	—	36,927	—	36,927					
6000T - BA378.S... - SHEE	378	418	5980	7992	3005	118.3	4800	181.1	3205	126.6	10,800	425.6	1400	55.1	2328	91.7	470	18.5	2798	110.2	4650	6800	—	11,450	10,251	14,991	—	—	25,243	—	25,243					
6000T - BA408.S... - SHEE	408	449	6430	8623	3005	118.3	4800	181.1	3205	126.6	10,800	425.6	1400	55.1	2328	91.7	470	18.5	2798	110.2	4650	8000	—	12,750	10,251	17,857	—	—	28,109	—	28,109					
6000T - BA438.S... - SHEE	438	482	7050	9454	3405	134.1	4800	181.1	3205	126.6	11,200	441.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	4650	8850	—	13,500	10,251	19,511	—	—	29,762	—	29,762					
6000T - BA475.S... - SHEE	475	523	7490	10,044	3405	134.1	4600	181.1	3205	126.6	11,200	441.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	5050	9200	—	14,250	11,133	20,283	—	—	31,416	—	31,416					
6000T - BA515.S... - SHEE	515	567	8120	10,889	3405	134.1	4600	181.1	3405	134.1	11,410	449.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	5050	9950	—	15,000	11,133	21,936	—	—	33,069	—	33,069					
6000T - BA560.S... - SHEE	560	616	9010	12,082	3405	134.1	4600	181.1	4005	157.7	11,410	449.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	5050	10,800	—	15,850	11,133	23,810	—	—	34,943	—	34,943					
6000T - BA600.S... - SHEE	600	680	9460	12,686	3405	134.1	4800	181.1	4005	157.7	12,010	472.8	1600	63.0	2328	91.7	470	18.5	2798	110.2	5200	11,300	—	16,500	11,464	24,912	—	—	36,376	—	36,376					
6000T - BA640.S... - SHEE	640	704	10,090	13,351	3605	141.9	4800	181.1	4005	157.7	12,010	472.8	1600	63.0	2328	91.7	470	18.5	2798	110.2	5200	12,100	—	17,300	11,464	26,676	—	—	38,140	—	38,140					
6000T - BA680.S... - SHEE	680	748	10,950	14,684	3605	141.9	4800	181.1	4005	157.7	12,010	472.8	1600	63.0	2328	91.7	470	18.5	2798	110.2	5200	13,000	—	18,200	11,464	28,660	—	—	40,124	—	40,124					

PowerFlex 6000T Drive – Heavy Duty (UL Rated)

2400V Input & 2300/2400V AC Output (18 Pulse Configuration – 9 Power Cells) – 60 Hz

Base Catalog Number	Heavy Duty					Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)				
	Output Amps		Typical Motor Power Rating		H ₁	Width		Depth		Height		Height		W1	W2	W3 (where applicable)	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight
	Continuous	1 min.	kW	Hp		mm	Inches	mm	Inches	mm	Inches	mm	Inches											
					mm									Inches	mm	Inches	mm	Inches	mm	Inches				
6000T - AC37.A...-AHEU	37	56	112	150	1210	47.6	1210	47.6	1250	49.2	2328	91.7	2798	110.2	2230	4916	2230	4916	—	2230	4916	—	4916	
6000T - AC51.A...-AHEU	51	77	149	200	1210	47.6	1210	47.6	1250	49.2	2328	91.7	2798	110.2	2300	5071	2300	5071	—	2300	5071	—	5071	
6000T - AC73.A...-AHEU	73	110	224	300	1610	63.4	1610	63.4	1250	49.2	2328	91.7	2888	113.7	2460	5423	2460	5423	—	2460	5423	—	5423	
6000T - AC85.A...-AHEU	85	128	261	350	1610	63.4	1610	63.4	1250	49.2	2328	91.7	2888	113.7	2480	5467	2480	5467	—	2480	5467	—	5467	
6000T - AC103.A...-AHEU	103	155	336	450	1610	63.4	1610	63.4	1250	49.2	2328	91.7	2888	113.7	2580	5688	2580	5688	—	2580	5688	—	5688	
6000T - AC117.A...-AHEU	117	176	373	500	1910	75.2	1910	75.2	1250	49.2	2328	91.7	2888	113.7	3210	7077	3210	7077	—	3210	7077	—	7077	
6000T - AC132.A...-AHEU	132	198	447	600	1910	75.2	1910	75.2	1250	49.2	2328	91.7	2888	113.7	3280	7231	3280	7231	—	3280	7231	—	7231	
6000T - AC160.A...-AHEU	160	240	485	650	1910	75.2	1910	75.2	1400	55.1	2328	91.7	2888	113.7	3450	7606	3450	7606	—	3450	7606	—	7606	
6000T - BC172.B...-BHEE	172	258	592	794	1605	63.2	2205	86.8	1400	55.1	2328	91.7	2798	110.2	1400	3086	7055	1400	3200	—	4600	3086	7055	10,141
6000T - BC184.A...-AHEU	184	276	632	847	1605	63.2	2205	86.8	1400	55.1	2328	91.7	2798	110.2	1400	3086	8157	1400	3700	—	5100	3086	8157	11,244
6000T - BC184.A...-AHEU	200	300	704	944	1605	63.2	2205	86.8	1400	55.1	2328	91.7	2798	110.2	1400	3086	8157	1400	3700	—	5100	3086	8157	11,244
6000T - BC184.A...-AHEU	212	318	728	976	1605	63.2	2205	86.8	1400	55.1	2328	91.7	2798	110.2	1400	3086	8157	1400	3700	—	5100	3086	8157	11,244
6000T - BC184.A...-AHEU	228	342	784	1051	1605	63.2	2205	86.8	1400	55.1	2328	91.7	2798	110.2	1400	3086	8157	1400	3700	—	5100	3086	8157	11,244
6000T - BC184.A...-AHEU	244	366	856	1148	1605	63.2	2205	86.8	1400	55.1	2328	91.7	2798	110.2	1400	3086	8157	1400	3700	—	5100	3086	8157	11,244
6000T - BC184.A...-AHEU	260	390	896	1202	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2798	110.2	1400	3086	8157	1400	3700	—	5100	3086	8157	11,244
6000T - BC184.A...-AHEU	280	420	984	1319	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2798	110.2	1400	3086	8157	1400	3900	—	5300	3086	8157	11,884
6000T - BC184.A...-AHEU	302	453	1040	1394	2205	86.8	2505	98.6	1400	55.1	2328	91.7	2798	110.2	1850	4079	8818	1850	4000	—	5850	4079	8818	12,897
6000T - BC184.A...-AHEU	326	489	1120	1502	2205	86.8	2505	98.6	1400	55.1	2328	91.7	2798	110.2	1850	4200	9259	1850	4200	—	6050	4079	9259	13,338
6000T - BC184.A...-AHEU	350	525	1232	1652	2205	86.8	2505	98.6	1400	55.1	2328	91.7	2798	110.2	1850	4400	9700	1850	4400	—	6250	4079	9700	13,779
6000T - BC184.A...-AHEU	380	570	1304	1749	2205	86.8	2505	98.6	1400	55.1	2328	91.7	2798	110.2	2000	4409	10,141	2000	4600	—	6600	4409	10,141	14,550
6000T - BC184.A...-AHEU	412	618	1416	1899	2205	86.8	2505	98.6	1400	55.1	2328	91.7	2798	110.2	2000	4409	10,803	2000	4800	—	6900	4409	10,803	15,272
6000T - BC184.A...-AHEU	448	672	1576	2114	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2798	110.2	2000	5400	11,905	2000	5400	—	7400	4409	11,905	16,304
6000T - BC184.A...-AHEU	480	720	1648	2210	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2798	110.2	2050	5500	12,125	2050	5500	—	7550	4519	12,125	16,645
6000T - BC184.A...-AHEU	512	768	1760	2360	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2798	110.2	2050	5800	12,787	2050	5800	—	7850	4519	12,787	17,306
6000T - BC184.A...-AHEU	544	816	1912	2564	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2798	110.2	2050	6200	13,669	2050	6200	—	8250	4519	13,669	18,188

PowerFlex 6000T Drive — Heavy Duty (IEC Rated)

11000V Input & 3000V AC Output (18 Pulse Configuration – 9 Power Cells) – 50 Hz

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)							
	Output Amps		Typical Motor Power Rating		Width		Width		Width		Depth		Height		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight	
	Continuous (150%)	KW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	
																																W1
6000T - AC29.S..... - BHEE	29	110	148	2310	90.9	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2684	(1)	2684	(1)	5917	(1)	5917	(1)	—	—	—	2684	5917	5917
6000T - AC37.S..... - BHEE	37	150	201	2310	90.9	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2784	(1)	2784	(1)	6138	(1)	6138	(1)	—	—	—	2784	6138	6138
6000T - AC45.S..... - BHEE	45	185	248	2310	90.9	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2884	(1)	2884	(1)	6358	(1)	6358	(1)	—	—	—	2884	6358	6358
6000T - AC56.S..... - BHEE	56	230	308	2795	110.0	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3261	(1)	3261	(1)	7189	(1)	7189	(1)	—	—	—	3261	7189	7189
6000T - AC70.S..... - BHEE	70	300	402	2795	110.0	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3331	(1)	3331	(1)	7344	(1)	7344	(1)	—	—	—	3331	7344	7344
6000T - AC87.S..... - BHEE	87	370	496	2795	110.0	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3631	(1)	3631	(1)	8005	(1)	8005	(1)	—	—	—	3631	8005	8005
6000T - AC103.S..... - BHEE	103	440	550	2795	110.0	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3861	(1)	3861	(1)	8512	(1)	8512	(1)	—	—	—	3861	8512	8512
6000T - AC132.S..... - BHEE	132	560	751	3010	118.5	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4066	(1)	4066	(1)	8964	(1)	8964	(1)	—	—	—	4066	8964	8964
6000T - AC136.S..... - BHEE	136	600	805	3010	118.5	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4366	(1)	4366	(1)	9625	(1)	9625	(1)	—	—	—	4366	9625	9625
6000T - AC160.S..... - BHEE	160	660	885	3010	118.5	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4436	(1)	4436	(1)	9780	(1)	9780	(1)	—	—	—	4436	9780	9780

(1) A01 design

PowerFlex 6000T Drive – Heavy Duty (IEC Rated)

3300V Input & 3300V AC Output (18 Pulse Configuration – 9 Power Cells) – 50 Hz

Base Catalog Number	Heavy Duty			Dimensions (WxDxH)														Base Drive Weight (kg)				Base Drive Weight (lbs)			
	Output Amps		Typical Motor Power Rating	Width		Width		Depth		Height		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight		
	Continuous	1 min.		kW	Hp	W1		W2		W3 (where applicable)		D		H1										H2	
			mm			Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches			
6000T - AC29.C..... - CHEE	29	44	110	148	1210	47.6	1210	47.6	1210	47.6	1210	47.6	1250	49.2	2328	91.7	2328	91.7	2328	91.7	2320	2320	2320	5115	
6000T - AC37.C..... - CHEE	37	56	150	201	1210	47.6	1210	47.6	1210	47.6	1210	47.6	1250	49.2	2328	91.7	2328	91.7	2328	91.7	2380	2380	2380	5247	
6000T - AC45.C..... - CHEE	45	68	185	248	1210	47.6	1210	47.6	1210	47.6	1210	47.6	1250	49.2	2328	91.7	2328	91.7	2328	91.7	2420	2420	2420	5335	
6000T - AC56.C..... - CHEE	56	84	230	308	1610	63.4	1610	63.4	1610	63.4	1610	63.4	1250	49.2	2328	91.7	2328	91.7	2328	91.7	2560	2560	2560	5644	
6000T - AC70.C..... - CHEE	70	105	300	402	1610	63.4	1610	63.4	1610	63.4	1610	63.4	1250	49.2	2328	91.7	2328	91.7	2328	91.7	2610	2610	2610	5754	
6000T - AC87.C..... - CHEE	87	131	370	496	1610	63.4	1610	63.4	1610	63.4	1610	63.4	1250	49.2	2328	91.7	2328	91.7	2328	91.7	2640	2640	2640	5820	
6000T - AC103.C..... - CHEE	103	155	410	550	1610	63.4	1610	63.4	1610	63.4	1610	63.4	1250	49.2	2328	91.7	2328	91.7	2328	91.7	2720	2720	2720	5997	
6000T - AC132.C..... - CHEE	132	198	560	751	1910	75.2	1910	75.2	1910	75.2	1910	75.2	1250	49.2	2328	91.7	2328	91.7	2328	91.7	3510	3510	3510	7738	
6000T - AC136.C..... - CHEE	136	204	600	805	1910	75.2	1910	75.2	1910	75.2	1910	75.2	1250	49.2	2328	91.7	2328	91.7	2328	91.7	3650	3650	3650	8047	
6000T - AC160.C..... - CHEE	160	240	660	885	1910	75.2	1910	75.2	1910	75.2	1910	75.2	1250	49.2	2328	91.7	2328	91.7	2328	91.7	3780	3780	3780	8333	
6000T - AC177.E..... - EHEE	172	258	816	1094	1605	63.2	2205	86.8	1605	63.2	2205	86.8	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1400	3200	4600	10141	
6000T - BC184.C..... - CHEE	184	276	872	1170	1605	63.2	2505	98.6	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1400	3700	5100	11244	
6000T - BC200.C..... - CHEE	200	300	968	1298	1605	63.2	2505	98.6	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1400	3900	5300	11684	
6000T - BC272.C..... - CHEE	212	318	1000	1341	1605	63.2	2505	98.6	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1400	3900	5300	11684	
6000T - BC228.C..... - CHEE	228	342	1080	1448	1605	63.2	2505	98.6	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1400	4000	5500	12125	
6000T - BC244.C..... - CHEE	244	366	1176	1577	1605	63.2	2505	98.6	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1400	4400	5800	12787	
6000T - BC260.C..... - CHEE	260	390	1232	1652	1605	63.2	2505	98.6	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1400	4400	5800	12787	
6000T - BC280.C..... - CHEE	280	420	1352	1813	1605	63.2	2505	98.6	1605	63.2	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1400	4700	6100	13448	
6000T - BC302.C..... - CHEE	302	463	1432	1920	2205	86.8	2505	98.6	2205	86.8	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1850	4900	6750	14881	
6000T - BC326.C..... - CHEE	326	489	1544	2070	2205	86.8	2505	98.6	2205	86.8	2505	98.6	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1850	5300	7150	15763	
6000T - BC350.C..... - CHEE	350	525	1688	2264	2205	86.8	2805	110.4	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2328	91.7	2328	91.7	1850	5600	7450	16424	
6000T - BC360.C..... - CHEE	380	570	1800	2414	2205	86.8	2805	110.4	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2328	91.7	2328	91.7	2000	5900	7900	17416	
6000T - BC42.C..... - CHEE	412	618	1944	2607	2205	86.8	2805	110.4	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2328	91.7	2328	91.7	2000	6200	8200	18078	
6000T - BC448.C..... - CHEE	448	672	2160	2897	2205	86.8	2805	110.4	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2328	91.7	2328	91.7	2000	6700	8700	19180	
6000T - BC460.C..... - CHEE	460	720	2272	3046	2205	86.8	2805	110.4	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2328	91.7	2328	91.7	2050	7000	9050	19952	
6000T - BC512.C..... - CHEE	512	788	2424	3250	2205	86.8	2805	110.4	2205	86.8	2805	110.4	1400	55.1	2328	91.7	2328	91.7	2328	91.7	2050	7400	9450	20834	
6000T - BC544.C..... - CHEE	544	816	2624	3518	2205	86.8	3205	126.2	2205	86.8	3205	126.2	1400	55.1	2328	91.7	2328	91.7	2328	91.7	2050	7800	8950	21936	

PowerFlex 6000T Drive — Heavy Duty (IEC Rated)

11000V Input & 3300V AC Output (18 Pulse Configuration – 9 Power Cells) – 50 Hz

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)					
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight		
	Continuous (150%)	KW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm													Inches	mm
																	W1	W2	W3 (where applicable)	D	H1	H2	H							
6000T - AC29.S_____ - CHEE	29	110	148	2310	90.9	—	—	—	2310	90.9	2310	90.9	49.2	2328	91.7	547	21.5	2875	113.2	2684	5917	(1)	—	—	2684	5917	(1)	—	—	5917
6000T - AC37.S_____ - CHEE	37	150	201	2310	90.9	—	—	—	2310	90.9	2310	90.9	49.2	2328	91.7	547	21.5	2875	113.2	2914	6424	(1)	—	—	2914	6424	(1)	—	—	6424
6000T - AC45.S_____ - CHEE	45	185	248	2310	90.9	—	—	—	2310	90.9	2310	90.9	49.2	2328	91.7	547	21.5	2875	113.2	3024	6667	(1)	—	—	3024	6667	(1)	—	—	6667
6000T - AC56.S_____ - CHEE	56	230	308	2795	110.0	—	—	—	2795	110.0	2795	110.0	49.2	2328	91.7	547	21.5	2875	113.2	3381	7454	(1)	—	—	3381	7454	(1)	—	—	7454
6000T - AC70.S_____ - CHEE	70	300	402	2795	110.0	—	—	—	2795	110.0	2795	110.0	49.2	2328	91.7	547	21.5	2875	113.2	3741	8247	(1)	—	—	3741	8247	(1)	—	—	8247
6000T - AC87.S_____ - CHEE	87	370	486	2795	110.0	—	—	—	2795	110.0	2795	110.0	49.2	2328	91.7	547	21.5	2875	113.2	3831	8446	(1)	—	—	3831	8446	(1)	—	—	8446
6000T - AC103.S_____ - CHEE	103	440	550	2795	110.0	—	—	—	2795	110.0	2795	110.0	49.2	2328	91.7	547	21.5	2875	113.2	3931	8686	(1)	—	—	3931	8686	(1)	—	—	8686
6000T - AC132.S_____ - CHEE	132	560	751	3010	118.5	—	—	—	3010	118.5	3010	118.5	49.2	2328	91.7	547	21.5	2875	113.2	4366	9625	(1)	—	—	4366	9625	(1)	—	—	9625
6000T - AC136.S_____ - CHEE	136	600	805	3010	118.5	—	—	—	3010	118.5	3010	118.5	49.2	2328	91.7	547	21.5	2875	113.2	4406	9714	(1)	—	—	4406	9714	(1)	—	—	9714
6000T - AC160.S_____ - CHEE	160	660	885	3010	118.5	—	—	—	3010	118.5	3010	118.5	49.2	2328	91.7	547	21.5	2875	113.2	4456	9824	(1)	—	—	4456	9824	(1)	—	—	9824

(1) A01 design

PowerFlex 6000T Drive — Heavy Duty (IEC Rated)

13800V Input & 4000/4160V AC Output (24 Pulse Configuration - 12 Power Cells) - 50/60 Hz

Base Catalog Number	Output Amps			Typical Motor Power Rating		Dimensions (WxDxH)												Base Drive Weight (kg)				Base Drive Weight (lbs)			
	Continuous (150%)	kW	Hp	Width		Width		Width		Depth		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight		
				mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches									mm	Inches
6000T - AC26_W___ - EHEE	26	144	194	2310	90.9	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2894	6380	(1)	—	—	2894	6380	
6000T - AC29_W___ - EHEE	29	161	215	2310	90.9	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3004	6623	(1)	—	—	3004	6623	
6000T - AC36_W___ - EHEE	36	186	250	2310	90.9	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3084	6799	(1)	—	—	3084	6799	
6000T - AC39_W___ - EHEE	39	216	290	2310	90.9	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3214	7086	(1)	—	—	3214	7086	
6000T - AC43_W___ - EHEE	43	239	320	2310	90.9	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3314	7306	(1)	—	—	3314	7306	
6000T - AC51_W___ - EHEE	51	268	360	2310	90.9	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3314	7306	(1)	—	—	3314	7306	
6000T - AC57_W___ - EHEE	57	321	430	2795	110.0	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3721	8203	(1)	—	—	3721	8203	
6000T - AC73_W___ - EHEE	73	384	515	2795	110.0	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	3881	8556	(1)	—	—	3881	8556	
6000T - AC77_W___ - EHEE	77	447	600	2795	110.0	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4061	8953	(1)	—	—	4061	8953	
6000T - AC85_W___ - EHEE	85	492	660	2795	110.0	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4221	9306	(1)	—	—	4221	9306	
6000T - AC94_W___ - EHEE	94	544	730	2795	110.0	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4231	9328	(1)	—	—	4231	9328	
6000T - AC103_W___ - EHEE	103	597	800	2795	110.0	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4241	9350	(1)	—	—	4241	9350	
6000T - AC117_W___ - EHEE	117	687	921	3010	118.5	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4676	10309	(1)	—	—	4676	10309	
6000T - AC132_W___ - EHEE	132	773	1036	3010	118.5	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4956	10926	(1)	—	—	4956	10926	
6000T - AC142_W___ - EHEE	142	820	1100	3010	118.5	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5046	11125	(1)	—	—	5046	11125	
6000T - AC160_W___ - EHEE	160	895	1200	3010	118.5	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5266	11610	(1)	—	—	5266	11610	

(1) A01 design

PowerFlex 6000T Drive – Heavy Duty (IEC Rated)
6000V AC Input/Output (30 Pulse Configuration – 15 Power Cells) – 50 Hz

Table with 40 columns: Base Catalog Number, Output Amps, Typical Motor Power Rating (KW, Hp), Dimensions (WxDxH) (W1, W2, W3, W, D, H1, H2, H), and Base Drive Weight (lbs, kg) (W1, W2, W3, Total Weight). Rows list various drive models like 6000T-AC18.F-FHEE through 6000T-BC426.F-FHEE.

6000V AC Input/Output (30 Pulse Configuration - 15 Power Cells) - 50 Hz (Continued)

Base Catalog Number	Heavy Duty											Dimensions (WxDxH)						Base Drive Weight (kg)			Base Drive Weight (lbs)							
	Output Amps		Typical Motor Power Rating		Width		Depth		Height		Height		W1	W2	W3 (where applicable)	W	D	H1	H2	H	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight
					mm	Inches	mm	Inches	mm	Inches	mm	Inches																
	Continuous		1 min.		kW		Hp																					
6000T - BC448.F ₁₅ - FHEE	448	672	3936	5278	3205	126.2	3405	134.1	—	—	—	6610	260.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	3050	10700	—	6724	23589	—	30334
6000T - BC470.F ₁₅ - FHEE	470	706	4040	5418	3205	126.2	3405	134.1	—	—	—	6610	260.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	3100	11000	—	6834	24251	—	31085
6000T - BC494.F ₁₅ - FHEE	494	740	4240	5686	3205	126.2	3405	134.1	—	—	—	6610	260.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	3100	11400	—	6834	25133	—	31967
6000T - BC518.F ₁₅ - FHEE	518	778	4456	5975	3205	126.2	4005	157.7	—	—	—	7210	283.9	1600	63.0	2328	91.7	470	18.5	2798	110.2	3100	12000	—	6834	26455	—	33290
6000T - BC544.F ₁₅ - FHEE	544	816	4776	6405	3205	126.2	4005	157.7	—	—	—	7210	283.9	1600	63.0	2328	91.7	470	18.5	2798	110.2	3100	12400	—	6834	27337	—	34172

(1) A01 design

PowerFlex 6000T Drive — Heavy Duty (IEC Rated)

1000V Input & 6000V AC Output (30 Pulse Configuration - 15 Power Cells) - 60 Hz

Base Catalog Number	Heavy Duty											Dimensions (WxDxH)						Base Drive Weight (kg)			Base Drive Weight (lbs)							
	Output Amps		Typical Motor Power Rating		Width		Depth		Height		Height		W1	W2	W3 (where applicable)	W	D	H1	H2	H	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight
					mm	Inches	mm	Inches	mm	Inches	mm	Inches																
	Continuous		1 min.		kW		Hp																					
6000T - AC18.F ₁₅ - FHEE	18	27	150	201	2310	90.9	—	—	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2944	(1)	6490	(1)	2944	(1)	6490
6000T - AC26.F ₁₅ - FHEE	26	39	210	282	2310	90.9	—	—	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3054	(1)	6733	(1)	3054	(1)	6733
6000T - AC29.F ₁₅ - FHEE	29	44	240	322	2310	90.9	—	—	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3164	(1)	6875	(1)	3164	(1)	6875
6000T - AC36.F ₁₅ - FHEE	36	54	290	389	2310	90.9	—	—	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3274	(1)	7218	(1)	3274	(1)	7218
6000T - AC44.F ₁₅ - FHEE	44	66	360	483	2310	90.9	—	—	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3284	(1)	7240	(1)	3284	(1)	7240
6000T - AC51.F ₁₅ - FHEE	51	77	440	550	2310	90.9	—	—	—	—	—	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3404	(1)	7505	(1)	3404	(1)	7505
6000T - AC58.F ₁₅ - FHEE	58	87	470	630	2795	110.0	—	—	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4111	(1)	9063	(1)	4111	(1)	9063
6000T - AC66.F ₁₅ - FHEE	66	99	530	711	2795	110.0	—	—	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4161	(1)	9173	(1)	4161	(1)	9173
6000T - AC72.F ₁₅ - FHEE	72	108	585	784	2795	110.0	—	—	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4241	(1)	9350	(1)	4241	(1)	9350
6000T - AC80.F ₁₅ - FHEE	80	120	650	872	2795	110.0	—	—	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4341	(1)	9570	(1)	4341	(1)	9570
6000T - AC88.F ₁₅ - FHEE	88	132	710	952	2795	110.0	—	—	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4451	(1)	9803	(1)	4451	(1)	9803
6000T - AC101.F ₁₅ - FHEE	101	152	820	1100	2795	110.0	—	—	—	—	—	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4561	(1)	10055	(1)	4561	(1)	10055
6000T - AC110.F ₁₅ - FHEE	110	165	890	1194	3010	118.5	—	—	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4766	(1)	10551	(1)	4766	(1)	10551
6000T - AC124.F ₁₅ - FHEE	124	186	1000	1341	3010	118.5	—	—	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4896	(1)	10794	(1)	4896	(1)	10794
6000T - AC132.F ₁₅ - FHEE	132	198	1060	1421	3010	118.5	—	—	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5006	(1)	11036	(1)	5006	(1)	11036
6000T - AC139.F ₁₅ - FHEE	139	209	1120	1502	3010	118.5	—	—	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5106	(1)	11257	(1)	5106	(1)	11257
6000T - AC146.F ₁₅ - FHEE	146	219	1180	1582	3010	118.5	—	—	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5216	(1)	11499	(1)	5216	(1)	11499
6000T - AC154.F ₁₅ - FHEE	154	231	1240	1663	3010	118.5	—	—	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5316	(1)	11720	(1)	5316	(1)	11720
6000T - AC159.F ₁₅ - FHEE	159	239	1260	1690	3010	118.5	—	—	—	—	—	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5426	(1)	11962	(1)	5426	(1)	11962

(1) A01 design

PowerFlex 6000T Drive – Heavy Duty (IEC Rated)
 11000V Input & 6300/6600V AC Output (36 Pulse Configuration – 18 Power Cells) – 50 HZ

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)								
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight				
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	mm	Inches	mm	Inches	mm	mm	Inches	mm	mm	Inches	mm	mm	Inches	mm	mm	Inches
6000T - AC18.S.-JHEE	18	27	160	215	2310	90.9	3.58	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	2974	117.2	6557	(1)	2974	6557	(1)	6557	(1)	6557	(1)	6557				
6000T - AC22.S.-JHEE	22	33	195	261	2310	90.9	3.58	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3104	121.8	6843	(1)	3104	6843	(1)	6843	(1)	6843	(1)	6843				
6000T - AC26.S.-JHEE	26	39	230	308	2310	90.9	3.58	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3224	127.3	7108	(1)	3224	7108	(1)	7108	(1)	7108	(1)	7108				
6000T - AC33.S.-JHEE	33	50	295	396	2310	90.9	3.58	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3364	132.8	7416	(1)	3364	7416	(1)	7416	(1)	7416	(1)	7416				
6000T - AC36.S.-JHEE	36	54	320	429	2310	90.9	3.58	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3364	132.8	7416	(1)	3364	7416	(1)	7416	(1)	7416	(1)	7416				
6000T - AC44.S.-JHEE	44	66	390	523	2310	90.9	3.58	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3844	151.3	8475	(1)	3844	8475	(1)	8475	(1)	8475	(1)	8475				
6000T - AC51.S.-JHEE	51	77	450	603	2310	90.9	3.58	2310	90.9	1250	49.2	2328	91.7	547	21.5	2875	113.2	3904	153.7	8607	(1)	3904	8607	(1)	8607	(1)	8607	(1)	8607				
6000T - AC62.S.-JHEE	62	93	550	738	2795	110.0	4.33	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4331	170.9	9548	(1)	4331	9548	(1)	9548	(1)	9548	(1)	9548				
6000T - AC72.S.-JHEE	72	108	640	858	2795	110.0	4.33	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4411	174.1	9725	(1)	4411	9725	(1)	9725	(1)	9725	(1)	9725				
6000T - AC80.S.-JHEE	80	120	710	952	2795	110.0	4.33	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4521	178.3	9967	(1)	4521	9967	(1)	9967	(1)	9967	(1)	9967				
6000T - AC83.S.-JHEE	83	140	830	1113	2795	110.0	4.33	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4581	181.5	10099	(1)	4581	10099	(1)	10099	(1)	10099	(1)	10099				
6000T - AC101.S.-JHEE	101	152	900	1207	2795	110.0	4.33	2795	110.0	1250	49.2	2328	91.7	547	21.5	2875	113.2	4711	187.0	10386	(1)	4711	10386	(1)	10386	(1)	10386	(1)	10386				
6000T - AC110.S.-JHEE	110	165	980	1314	3010	118.5	4.67	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	4886	192.5	10794	(1)	4886	10794	(1)	10794	(1)	10794	(1)	10794				
6000T - AC117.S.-JHEE	117	176	1040	1395	3010	118.5	4.67	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5006	197.0	11036	(1)	5006	11036	(1)	11036	(1)	11036	(1)	11036				
6000T - AC124.S.-JHEE	124	186	1100	1475	3010	118.5	4.67	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5206	201.5	11477	(1)	5206	11477	(1)	11477	(1)	11477	(1)	11477				
6000T - AC132.S.-JHEE	132	198	1170	1568	3010	118.5	4.67	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5316	205.0	11720	(1)	5316	11720	(1)	11720	(1)	11720	(1)	11720				
6000T - AC146.S.-JHEE	146	219	1290	1730	3010	118.5	4.67	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5386	209.5	11874	(1)	5386	11874	(1)	11874	(1)	11874	(1)	11874				
6000T - AC154.S.-JHEE	154	231	1360	1824	3010	118.5	4.67	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5546	214.0	12227	(1)	5546	12227	(1)	12227	(1)	12227	(1)	12227				
6000T - AC159.S.-JHEE	159	239	1390	1864	3010	118.5	4.67	3010	118.5	1250	49.2	2328	91.7	547	21.5	2875	113.2	5736	218.5	12646	(1)	5736	12646	(1)	12646	(1)	12646	(1)	12646				

(1) A01 design

PowerFlex 6000T Drive — Heavy Duty (IEC Rated)

6600V Input & 6300/6600V AC Output (36 Pulse Configuration — 18 Power Cells) — 50 Hz

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)									
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight	
	Continuous	1 min.	kW	Hp	W1		W2		D		H1		H2		H		mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
					mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches																		
6000T - BC172.J... - JHEE	172	258	1624	2178	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	5400	—	8000	5732	11,905	—	—	—	—	—	—	17,637		
6000T - BC184.J... - JHEE	184	276	1736	2328	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	5700	—	8300	5732	12,566	—	—	—	—	—	—	18,298		
6000T - BC200.J... - JHEE	200	300	1928	2586	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6200	—	8800	5732	13,669	—	—	—	—	—	—	19,401		
6000T - BC272.J... - JHEE	222	318	2008	2693	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6400	—	9000	5732	14,110	—	—	—	—	—	—	19,842		
6000T - BC228.J... - JHEE	228	342	2160	2897	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6700	—	9300	5732	14,771	—	—	—	—	—	—	20,503		
6000T - BC244.J... - JHEE	244	366	2360	3165	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	7200	—	9800	5732	15,873	—	—	—	—	—	—	21,605		
6000T - BC260.J... - JHEE	260	390	2456	3294	2605	102.6	2805	110.4	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	7400	—	10,000	5732	16,314	—	—	—	—	—	—	22,046		
6000T - BC280.J... - JHEE	280	420	2704	3626	2605	102.6	3205	126.2	—	580	228.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	8000	—	10,700	5732	17,857	—	—	—	—	—	—	23,589		
6000T - BC302.J... - JHEE	302	453	2886	3830	3605	141.9	3205	126.2	—	680	268.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	8400	—	11,650	765	18,519	—	—	—	—	—	—	25,684		
6000T - BC326.J... - JHEE	326	489	3098	4141	3605	141.9	3205	126.2	—	680	268.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	9000	—	12,250	765	19,942	—	—	—	—	—	—	27,007		
6000T - BC350.J... - JHEE	350	525	3384	4538	3605	141.9	3205	126.2	—	680	268.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	9800	—	13,050	765	21,605	—	—	—	—	—	—	28,770		
6000T - BC380.J... - JHEE	380	570	3592	4817	3605	141.9	3405	134.1	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3550	10,200	—	13,750	7826	22,487	—	—	—	—	—	—	30,314		
6000T - BC412.J... - JHEE	412	618	3896	5225	3605	141.9	3405	134.1	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3550	11,000	—	14,550	7826	24,251	—	—	—	—	—	—	32,077		
6000T - BC448.J... - JHEE	448	672	4328	5804	3605	141.9	4005	157.7	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3550	11,500	—	15,050	7826	25,353	—	—	—	—	—	—	33,180		
6000T - BC480.J... - JHEE	480	720	4536	6082	3605	141.9	4005	157.7	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	12,600	—	16,250	8047	27,778	—	—	—	—	—	—	35,825		
6000T - BC512.J... - JHEE	512	768	4840	6490	3605	141.9	4005	157.7	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	13,300	—	16,950	8047	29,321	—	—	—	—	—	—	37,368		
6000T - BC544.J... - JHEE	544	816	5256	7048	3405	134.1	3000	118.1	3205	9610	378.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	7450	—	18,550	8047	16,424	—	—	—	—	—	—	40,886		

PowerFlex 6000T Drive – Heavy Duty (UL Rated)

7200V Input & 6900V AC Output (36 Pulse Configuration – 18 Power Cells) – 60 Hz

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)			Base Drive Weight (lbs)						
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight		
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches													mm	Inches
																	D	H1	H2	H										
6000T - BC172.L... - KHEU	172	258	1704	2285	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	5700	8300	5732	12,566	—	—	—	18,298	
6000T - BC184.L... - KHEU	184	276	1816	2435	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	5900	8500	5732	13,007	—	—	—	18,739	
6000T - BC200.L... - KHEU	200	300	2016	2703	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6400	9000	5732	14,110	—	—	—	19,842	
6000T - BC272.L... - KHEU	212	318	2096	2800	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6600	9200	5732	14,550	—	—	—	20,283	
6000T - BC228.L... - KHEU	228	342	2256	3026	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	6900	9500	5732	15,272	—	—	—	20,944	
6000T - BC244.L... - KHEU	244	366	2464	3304	2605	102.6	2805	110.4	—	—	540	213.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	7400	10,000	5732	16,374	—	—	—	22,046	
6000T - BC260.L... - KHEU	260	390	2568	3444	2605	102.6	3205	126.2	—	—	580	228.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	7700	10,300	5732	16,976	—	—	—	22,708	
6000T - BC280.L... - KHEU	280	420	2824	3787	2605	102.6	3205	126.2	—	—	580	228.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	2600	8400	11,000	5732	18,519	—	—	—	24,251	
6000T - BC302.L... - KHEU	302	453	2992	4012	3605	141.9	3205	126.2	—	—	680	268.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	8700	11,950	765	19,180	—	—	—	26,345	
6000T - BC326.L... - KHEU	326	489	3224	4323	3605	141.9	3405	134.1	—	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	9300	12,550	765	20,503	—	—	—	27,668	
6000T - BC350.L... - KHEU	350	525	3536	4742	3605	141.9	3405	134.1	—	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3250	10,700	13,350	765	22,267	—	—	—	29,432	
6000T - BC380.L... - KHEU	380	570	3760	5042	3605	141.9	3405	134.1	—	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3550	10,700	14,250	7826	23,589	—	—	—	31,416	
6000T - BC412.L... - KHEU	412	618	4072	5461	3605	141.9	3405	134.1	—	—	700	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3550	11,500	15,050	7826	25,353	—	—	—	33,180	
6000T - BC448.L... - KHEU	448	672	4520	6062	3605	141.9	4005	157.7	—	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3550	12,500	16,050	7826	27,558	—	—	—	35,394	
6000T - BC480.L... - KHEU	480	720	4744	6362	3605	141.9	4005	157.7	—	—	760	299.6	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	13,000	16,850	8047	28,660	—	—	—	36,707	
6000T - BC512.L... - KHEU	512	768	5064	6791	3405	134.1	3000	118.1	3205	126.2	960	378.3	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	7200	18,050	8047	15,873	15,873	15,873	15,873	39,793	
6000T - BC544.L... - KHEU	544	816	5496	7370	3405	134.1	3000	118.1	3205	126.2	960	378.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	7700	19,050	8047	16,976	16,976	16,976	16,976	41,998	

PowerFlex 6000T Drive – Heavy Duty (IEC Rated)
10000V AC Input/Output (48 Pulse Configuration – 24 Power Cells) – 50 Hz

Base Catalog Number	Output Amps		Typical Motor Power Rating		Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)											
	Continuous	1 min.	kW	Hp	W1		W2		W3 (where applicable)		W		Depth		Height		H2	H	W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight				
					mm		Inches		mm		Inches		mm		Inches												mm		Inches	
					mm		Inches		mm		Inches		mm		Inches												mm		Inches	
6000T - BC168.R.... - RHEE	168	252	2408	3229	3355	132.1	2805	110.4	—	—	6160	242.5	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	7100	—	10,400	7275	15,653	—	22,928		
6000T - BC178.R.... - RHEE	178	267	2550	3433	3355	132.1	2805	110.4	—	—	6160	242.5	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	7400	—	10,700	7275	16,314	—	23,589		
6000T - BC189.R.... - RHEE	189	284	2704	3626	3355	132.1	3205	126.2	—	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	7800	—	11,100	7275	17,196	—	24,471		
6000T - BC200.R.... - RHEE	200	300	2928	3926	3355	132.1	3205	126.2	—	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	8300	—	11,600	7275	18,298	—	25,574		
6000T - BC210.R.... - RHEE	210	315	3016	4045	3355	132.1	3205	126.2	—	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	8500	—	11,800	7275	18,739	—	26,051		
6000T - BC221.R.... - RHEE	221	332	3160	4238	3355	132.1	3205	126.2	—	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	8900	—	12,200	7275	19,621	—	26,896		
6000T - BC232.R.... - RHEE	232	348	3320	4452	3355	132.1	3205	126.2	—	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	9200	—	12,500	7275	20,283	—	27,658		
6000T - BC244.R.... - RHEE	244	366	3568	4785	3355	132.1	3205	126.2	—	—	6560	258.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	9800	—	13,100	7275	21,605	—	28,881		
6000T - BC260.R.... - RHEE	260	390	3728	4999	3355	132.1	3405	134.1	—	—	6760	266.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	10,200	—	13,500	7275	22,487	—	29,762		
6000T - BC280.R.... - RHEE	280	420	4096	5493	3355	132.1	3405	134.1	—	—	6760	266.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3300	11,100	—	14,400	7275	24,471	—	31,747		
6000T - BC296.R.... - RHEE	296	444	4240	5886	4605	181.3	3405	134.1	—	—	8010	315.4	1400	55.1	2328	91.7	470	18.5	2798	110.2	4200	9500	—	13,700	9259	20,944	—	30,203		
6000T - BC302.R.... - RHEE	302	468	4472	5997	4605	181.3	3405	134.1	—	—	8010	315.4	1400	55.1	2328	91.7	470	18.5	2798	110.2	4200	9800	—	14,000	9259	21,605	—	30,865		
6000T - BC332.R.... - RHEE	332	498	4760	6383	4605	181.3	4005	157.7	—	—	8610	339.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	4200	11,000	—	15,200	9259	24,251	—	33,510		
6000T - BC350.R.... - RHEE	350	525	5128	6877	4605	181.3	4005	157.7	—	—	8610	339.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	4200	11,700	—	15,800	9259	25,794	—	35,053		
6000T - BC368.R.... - RHEE	368	552	5272	7070	3405	134.1	4000	157.5	3205	126.2	10,610	477.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	7200	7200	19,000	10,141	15,873	15,873	41,888		
6000T - BC386.R.... - RHEE	386	579	5536	7424	3405	134.1	4000	157.5	3205	126.2	10,610	477.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	7500	7500	19,600	10,141	16,535	16,535	43,211		
6000T - BC406.R.... - RHEE	406	609	5808	7789	3405	134.1	4000	157.5	3205	126.2	10,610	477.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	7850	7850	20,300	10,141	17,306	17,306	44,754		
6000T - BC426.R.... - RHEE	426	639	6096	8174	3405	134.1	4000	157.5	3205	126.2	10,610	477.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	8150	8150	20,900	10,141	17,968	17,968	46,077		
6000T - BC448.R.... - RHEE	448	672	6552	8786	3405	134.1	4000	157.5	3205	126.2	10,610	477.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4600	8650	8650	21,900	10,141	19,070	19,070	48,281		
6000T - BC470.R.... - RHEE	470	705	6736	9033	3405	134.1	4000	157.5	3205	126.2	10,610	477.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4750	8850	8850	22,450	10,472	19,511	19,511	49,494		
6000T - BC484.R.... - RHEE	484	741	7072	9483	3405	134.1	4000	157.5	3205	126.2	10,610	477.7	1400	55.1	2328	91.7	470	18.5	2798	110.2	4750	9200	9200	23,150	10,472	20,283	20,283	51,037		
6000T - BC518.R.... - RHEE	518	777	7424	9955	3605	141.9	4000	157.5	3405	134.1	11,010	433.5	1400	55.1	2328	91.7	470	18.5	2798	110.2	4750	9700	9700	24,150	10,472	21,385	21,385	53,242		
6000T - BC544.R.... - RHEE	544	816	7960	10,674	3605	141.9	4000	157.5	3405	134.1	11,010	433.5	1400	55.1	2328	91.7	470	18.5	2798	110.2	4750	10,300	10,300	25,350	10,472	22,708	22,708	55,887		

PowerFlex 6000T Drive — Heavy Duty (IEC Rated)
 1000V AC Input/Output (54 Pulse Configuration - 27 Power Cells) - 50 Hz

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)											
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		W		W3 (where applicable)		D		H1		H2		H		W1		W2		W3 (where applicable)		Total Weight			
	Continuous	1 min.	kW	Hp	W1		W2		W3 (where applicable)		W		D		H1		H2		H		W1		W2		W3 (where applicable)		Total Weight		W1		W2		W3 (where applicable)		Total Weight	
					mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
6000T - BC172.S... - SHEE	172	258	2712	3637	3605	141.9	3205	126.2	—	—	8810	288.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	8100	—	—	11750	8047	17857	—	—	25904						
6000T - BC184.S... - SHEE	184	276	2896	3883	3605	141.9	3205	126.2	—	—	8810	288.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	8500	—	—	12150	8047	18739	—	—	26786						
6000T - BC200.S... - SHEE	200	300	3216	4313	3605	141.9	3205	126.2	—	—	8810	288.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	9300	—	—	12950	8047	20503	—	—	28550						
6000T - BC212.S... - SHEE	212	318	3344	4484	3605	141.9	3205	126.2	—	—	8810	288.1	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	9600	—	—	13250	8047	21164	—	—	29211						
6000T - BC228.S... - SHEE	228	342	3592	4877	3605	141.9	3405	134.1	—	—	7010	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	10200	—	—	13850	8047	22487	—	—	30534						
6000T - BC244.S... - SHEE	244	366	3928	5267	3605	141.9	3405	134.1	—	—	7010	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	11100	—	—	14750	8047	24471	—	—	32518						
6000T - BC260.S... - SHEE	260	390	4086	5493	3605	141.9	3405	134.1	—	—	7010	276.0	1400	55.1	2328	91.7	470	18.5	2798	110.2	3650	11500	—	—	15150	8047	25353	—	—	33400						
6000T - BC280.S... - SHEE	280	420	4504	6040	3605	141.9	4005	157.7	—	—	7610	276.0	1600	63.0	2328	91.7	470	18.5	2798	110.2	3650	13100	—	—	16750	8047	28881	—	—	36927						
6000T - BC302.S... - SHEE	302	453	4788	6394	5205	204.9	4005	157.7	—	—	9210	425.6	1400	55.1	2328	91.7	470	18.5	2798	110.2	4650	11400	—	—	16050	10251	25133	—	—	35384						
6000T - BC326.S... - SHEE	326	489	5144	6898	3005	118.3	4600	181.1	3205	126.6	10800	425.6	1400	55.1	2328	91.7	470	18.5	2798	110.2	4650	8000	6500	6500	12750	10251	17857	17857	—	—	28109					
6000T - BC350.S... - SHEE	350	525	5640	7563	3405	134.1	4600	181.1	3205	126.6	11210	441.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	4650	8850	7050	7050	13500	10251	19511	19511	—	—	29762					
6000T - BC380.S... - SHEE	380	570	5992	8035	3405	134.1	4600	181.1	3205	126.6	11210	441.3	1400	55.1	2328	91.7	470	18.5	2798	110.2	5050	9200	7400	7400	14250	11133	20283	20283	—	—	31416					
6000T - BC412.S... - SHEE	412	618	6496	8711	3405	134.1	4600	181.1	3405	134.1	11410	449.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	5050	9950	7850	7850	15000	11133	21936	21936	—	—	33069					
6000T - BC448.S... - SHEE	448	672	7208	9666	3405	134.1	4600	181.1	3405	134.1	11410	449.2	1400	55.1	2328	91.7	470	18.5	2798	110.2	5050	10800	8700	8700	15850	11133	23810	23810	—	—	34943					
6000T - BC480.S... - SHEE	480	720	7588	10149	3405	134.1	4600	181.1	4005	157.7	12010	472.8	1600	63.0	2328	91.7	470	18.5	2798	110.2	5200	11300	9100	9100	16500	11464	24912	24912	—	—	36376					
6000T - BC512.S... - SHEE	512	768	8072	10825	3605	141.9	4600	181.1	4005	157.7	12010	472.8	1600	63.0	2328	91.7	470	18.5	2798	110.2	5200	12100	9700	9700	17300	11464	26676	26676	—	—	38140					
6000T - BC544.S... - SHEE	544	816	8760	11747	3605	141.9	4600	181.1	4005	157.7	12010	472.8	1600	63.0	2328	91.7	470	18.5	2798	110.2	5200	13000	10400	10400	18200	11464	28660	28660	—	—	40124					

PowerFlex 6000G Drive Selection

PowerFlex 6000G Drive — Normal Duty (UL Rated)

6600V Input & 6300/6600V AC Output (36 Pulse Configuration – 18 Power Cells) – 60 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)						Base Drive Weight (lbs)																	
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		W		W3 (where applicable)		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight													
	Continuous 1 min.		kW		Hp		mm		Inches		mm		Inches		mm		Inches		mm		Inches		mm		Inches		mm		Inches		mm		Inches											
	31		34		300		400		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3											
6000G-HA31_J6_-JHEU	31		34		300		400		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		4232		5281		4232		—		9523	
6000G-HA35_J6_-JHEU	35		39		335		450		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		2500		5511		4232		—		9743	
6000G-HA39_J6_-JHEU	39		43		373		500		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		2600		5732		4232		—		9864	
6000G-HA47_J6_-JHEU	47		52		450		600		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		2700		5952		4232		—		10184	
6000G-HA54_J6_-JHEU	54		59		522		700		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		2800		6172		4232		—		10404	
6000G-HA62_J6_-JHEU	62		68		600		800		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		2900		6383		4232		—		10625	
6000G-HA69_J6_-JHEU	69		76		670		900		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		3000		6613		4232		—		10845	
6000G-HA78_J6_-JHEU	78		86		750		1000		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		3100		6834		4232		—		11066	
6000G-HA85_J6_-JHEU	85		94		820		1100		2000		78.7		2320		91.3		4320		170.1		1362		53.6		2300		90.6		348		2648		104.3		3200		7054		4232		—		11286	
6000G-HA97_J6_-JHEU	97		107		933		1250		2200		86.6		2320		91.3		4520		177.9		1362		53.6		2300		90.6		348		2648		104.3		3400		7495		4232		—		11727	
6000G-HA100_J6_-JHEU	100		110		970		1300		2200		86.6		2320		91.3		4520		177.9		1362		53.6		2300		90.6		348		2648		104.3		3550		7826		4232		—		12058	
6000G-HA116_J6_-JHEU	116		128		1120		1500		2200		86.6		2320		91.3		4520		177.9		1362		53.6		2300		90.6		348		2648		104.3		3650		8046		4232		—		12278	
6000G-HA126_J6_-JHEU	126		139		1220		1650		2200		86.6		2320		91.3		4520		177.9		1362		53.6		2300		90.6		348		2648		104.3		3850		8487		4232		—		12719	
6000G-HA135_J6_-JHEU	135		149		1300		1750		2200		86.6		2320		91.3		4520		177.9		1362		53.6		2300		90.6		348		2648		104.3		4050		8928		4232		—		13160	
6000G-HA155_J6_-JHEU	155		171		1500		2000		2400		94.5		2600		110.2		5200		204.7		1362		53.6		2300		90.6		348		2648		104.3		4800		10582		2988		—		13580	
6000G-HA174_J6_-JHEU	174		191		1680		2250		2400		94.5		2800		110.2		5200		204.7		1362		53.6		2300		90.6		348		2648		104.3		4900		10802		2988		—		13800	
6000G-HA182_J6_-JHEU	182		200		1753		2350		2400		94.5		2800		110.2		5200		204.7		1362		53.6		2300		90.6		348		2648		104.3		5000		11023		3636		—		14859	
6000G-HA200_J6_-JHEU	200		220		1940		2600		2400		94.5		2800		110.2		5200		204.7		1362		53.6		2300		90.6		348		2648		104.3		6000		13227		3636		—		17063	

PowerFlex 6000G Drive – Normal Duty (UL Rated)
7200V Input & 6900V AC Output (36 Pulse Configuration – 18 Power Cells) – 60 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)					
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight	
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
6000G-HA31.L6.-KHEU	31	34	313	417	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2400	1920	4320	5291	4232	—	—	—	9523		
6000G-HA35.L6.-KHEU	35	39	349	469	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2500	1920	4420	5511	4232	—	—	—	9743		
6000G-HA39.L6.-KHEU	39	43	389	521	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2600	1920	4520	5732	4232	—	—	—	9964		
6000G-HA47.L6.-KHEU	47	52	469	625	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2700	1920	4620	5952	4232	—	—	—	10184		
6000G-HA54.L6.-KHEU	54	59	544	729	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2800	1920	4720	6172	4232	—	—	—	10404		
6000G-HA62.L6.-KHEU	62	68	625	833	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2900	1920	4820	6393	4232	—	—	—	10625		
6000G-HA69.L6.-KHEU	69	76	698	938	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3000	1920	4920	6613	4232	—	—	—	10845		
6000G-HA78.L6.-KHEU	78	86	781	1042	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3100	1920	5020	6834	4232	—	—	—	11066		
6000G-HA85.L6.-KHEU	85	94	854	1146	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3200	1920	5120	7054	4232	—	—	—	11286		
6000G-HA97.L6.-KHEU	97	107	972	1302	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3400	1920	5320	7495	4232	—	—	—	11727		
6000G-HA100.L6.-KHEU	100	110	1070	1354	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3550	1920	5470	7826	4232	—	—	—	12058		
6000G-HA116.L6.-KHEU	116	128	1167	1563	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3650	1920	5570	8046	4232	—	—	—	12278		
6000G-HA126.L6.-KHEU	126	139	1271	1719	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3850	1920	5770	8784	4232	—	—	—	13016		
6000G-HA135.L6.-KHEU	135	149	1354	1823	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	4050	1920	5970	8928	4232	—	—	—	13760		
6000G-HA155.L6.-KHEU	155	171	1563	2083	2400	94.5	2800	110.23	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	4800	1360	6160	10582	2988	—	—	—	13580		
6000G-HA174.L6.-KHEU	174	191	1750	2344	2400	94.5	2800	110.23	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	4900	1360	6260	10802	2988	—	—	—	13800		
6000G-HA182.L6.-KHEU	182	200	1826	2448	2400	94.5	2800	110.23	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	5000	1740	6740	11023	3836	—	—	—	14859		
6000G-HA200.L6.-KHEU	200	220	2021	2708	2400	94.5	2800	110.23	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	6000	1740	7740	13227	3836	—	—	—	17063		

PowerFlex 6000G Drive — Normal Duty (IEC Rated)
 1000V AC Input/Output (54 Pulse Configuration - 27 Power Cells) - 50 Hz

Base Catalog Number	Normal Duty										Dimensions (WxDxH)										Base Drive Weight (kg)						Base Drive Weight (lbs)					
	Output Amps		Typical Motor Power Rating		Width		Width		Width		Depth		Height		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight	
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
6000G-HA15.S- - S-E	15	17	220	295	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2000	740	3740	4409	3636	—	8245							
6000G-HA16.S- - S-E	16	18	247	331	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2100	740	3840	4630	3636	—	8466							
6000G-HA18.S- - S-E	18	20	275	369	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2200	740	3940	4850	3636	—	8886							
6000G-HA20.S- - S-E	20	22	308	413	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2300	740	4040	5071	3636	—	8907							
6000G-HA24.S- - S-E	24	26	346	464	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2400	740	4440	5281	3636	—	9127							
6000G-HA26.S- - S-E	26	29	390	523	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2500	740	4240	5512	3636	—	9348							
6000G-HA30.S- - S-E	30	33	440	590	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2600	740	4340	5732	3636	—	9568							
6000G-HA33.S- - S-E	33	36	495	664	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2700	740	4440	5952	3636	—	9789							
6000G-HA36.S- - S-E	36	40	550	738	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2800	740	4540	6173	3636	—	10009							
6000G-HA41.S- - S-E	41	45	616	826	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2900	740	4640	6393	3636	—	10229							
6000G-HA46.S- - S-E	46	53	693	929	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	3000	740	4740	6614	3636	—	10450							
6000G-HA54.S- - S-E	54	59	781	1047	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	3100	740	4840	6834	3636	—	10670							
6000G-HA60.S- - S-E	60	66	880	1180	2000	78.7	2400	94.5	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	3200	740	4940	7055	3636	—	10891							
6000G-HA65.S- - S-E	66	73	990	1328	2200	86.6	2400	94.5	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	3300	740	5040	7275	3636	—	11111							
6000G-HA75.S- - S-E	75	83	1100	1475	2200	86.6	2400	94.5	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	3400	740	5140	7496	3636	—	11332							
6000G-HA84.S- - S-E	84	92	1232	1652	2200	86.6	2400	94.5	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	3600	740	5340	7937	3636	—	11773							
6000G-HA96.S- - S-E	96	106	1400	1877	2200	86.6	2400	94.5	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	3800	740	5540	8378	3636	—	12214							
6000G-HA108.S- - S-E	108	119	1600	2146	2200	86.6	2400	94.5	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	4000	740	5740	8818	3636	—	12655							
6000G-HA120.S- - S-E	120	132	1800	2414	2200	86.6	2400	94.5	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	4200	740	5940	9259	3636	—	13095							
6000G-HA138.S- - S-E	138	152	2000	2682	2200	86.6	2400	94.5	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	4800	740	6540	10582	3636	—	14418							
6000G-HA150.S- - S-E	150	165	2250	3017	2200	86.6	2400	94.5	4600	181.1	1362	53.6	2400	94.5	380	15.0	2780	109.4	5000	740	6740	11023	3636	—	14859							
6000G-HA168.S- - S-E	168	185	2400	3218	2400	94.5	4400	163.0	8540	257.5	1362	53.6	2400	94.5	380	15.0	2780	109.4	5200	3210	840	11464	7077	—	18451							
6000G-HA180.S- - S-E	180	198	2500	3353	2400	94.5	4140	163.0	8540	257.5	1362	53.6	2400	94.5	380	15.0	2780	109.4	5400	3210	860	11905	7077	—	18982							
6000G-HA192.S- - S-E	192	211	2800	3755	2400	94.5	4140	163.0	8540	257.5	1362	53.6	2400	94.5	380	15.0	2780	109.4	5650	3210	880	12458	7077	—	19533							
6000G-HA210.S- - S-E	210	220	3000	4023	2400	94.5	4140	163.0	8540	257.5	1362	53.6	2400	94.5	380	15.0	2780	109.4	5800	3210	900	12787	7077	—	19864							

PowerFlex 6000G Drive — Heavy Duty (UL Rated)

6600V Input & 6300/6600V AC Output (36 Pulse Configuration — 18 Power Cells) — 60 Hz

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)			Base Drive Weight (lbs)						
	Output Amps		Typical Motor Power Rating		Width		Width		Depth		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight			
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	mm	Inches	mm	Inches	mm	mm	Inches	mm	Inches	mm	mm	Inches	mm	mm	Inches
6000G-HC25-J6--JHEU	25	38	240	320	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2400	1920	4320	5291	4232	—	4320	5291	4232	—	9523
6000G-HC28-J6--JHEU	28	42	268	360	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2500	1920	4320	5511	4232	—	4420	5511	4232	—	9743
6000G-HC31-J6--JHEU	31	47	298	400	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2600	1920	4320	5732	4232	—	4520	5732	4232	—	9964
6000G-HC38-J6--JHEU	38	57	360	480	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2700	1920	4320	5952	4232	—	4620	5952	4232	—	10184
6000G-HC43-J6--JHEU	43	65	418	560	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2800	1920	4320	6172	4232	—	4720	6172	4232	—	10404
6000G-HC50-J6--JHEU	50	75	480	640	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2900	1920	4320	6393	4232	—	4820	6393	4232	—	10625
6000G-HC55-J6--JHEU	55	83	536	720	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3000	1920	4320	6613	4232	—	4920	6613	4232	—	10845
6000G-HC62-J6--JHEU	62	93	600	800	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3100	1920	4320	6834	4232	—	5020	6834	4232	—	11066
6000G-HC68-J6--JHEU	68	102	656	880	2000	78.7	2320	91.3	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3200	1920	4320	7054	4232	—	5120	7054	4232	—	11286
6000G-HC78-J6--JHEU	78	117	746	1000	2200	86.6	2320	91.3	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3400	1920	4320	7495	4232	—	5320	7495	4232	—	11727
6000G-HC80-J6--JHEU	80	120	776	1040	2200	86.6	2320	91.3	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3550	1920	4320	7826	4232	—	5470	7826	4232	—	12058
6000G-HC93-J6--JHEU	93	140	896	1200	2200	86.6	2320	91.3	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3650	1920	4320	8046	4232	—	5570	8046	4232	—	12278
6000G-HC101-J6--JHEU	101	152	976	1320	2200	86.6	2320	91.3	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3850	1920	4320	8487	4232	—	5770	8487	4232	—	12719
6000G-HC108-J6--JHEU	108	162	1040	1400	2200	86.6	2320	91.3	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	4050	1920	4320	8928	4232	—	5970	8928	4232	—	13160
6000G-HC124-J6--JHEU	124	186	1200	1600	2400	94.5	2800	110.2	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	4800	1360	1360	10582	2998	—	6160	10582	2998	—	13580
6000G-HC139-J6--JHEU	139	209	1344	1800	2400	94.5	2800	110.2	—	5200	240.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	4900	1360	1360	10802	2998	—	6260	10802	2998	—	13800
6000G-HC146-J6--JHEU	146	219	1402	1880	2400	94.5	2800	110.2	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	5000	1740	1740	11023	3836	—	6740	11023	3836	—	14859
6000G-HC160-J6--JHEU	160	240	1552	2080	2400	94.5	2800	110.2	—	5200	240.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	6000	1740	1740	13227	3836	—	7740	13227	3836	—	17063

PowerFlex 6000G Drive — Heavy Duty (UL Rated)
7200V Input & 6900V AC Output (36 Pulse Configuration — 18 Power Cells) — 60 Hz

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)				Base Drive Weight (lbs)			
	Output Amps		Typical Motor Power Rating		Width		Width		Width		Depth		Height		Height		Height		W1	W2	W3 (where applicable)	Total Weight	W1	W2	W3 (where applicable)	Total Weight		
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches									mm	Inches
																			D	H1	H2	H						
6000G-HC25.L6.-KHEU	25	38	250	334	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2400	1920	4320	5291	4232	—	9523		
6000G-HC28.L6.-KHEU	28	42	279	375	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2500	1920	4420	5511	4232	—	9743		
6000G-HC31.L6.-KHEU	31	47	311	417	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2600	1920	4520	5732	4232	—	9964		
6000G-HC38.L6.-KHEU	38	57	375	500	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2700	1920	4620	5952	4232	—	10184		
6000G-HC43.L6.-KHEU	43	65	435	583	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2800	1920	4720	6172	4232	—	10404		
6000G-HC50.L6.-KHEU	50	75	500	666	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	2900	1920	4820	6393	4232	—	10625		
6000G-HC55.L6.-KHEU	55	83	558	750	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3000	1920	4920	6613	4232	—	10845		
6000G-HC62.L6.-KHEU	62	93	625	834	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3100	1920	5020	6834	4232	—	11066		
6000G-HC68.L6.-KHEU	68	102	683	917	2000	78.7	2320	91.33	—	4320	170.1	1362	53.6	2300	90.6	348	13.7	2648	104.3	3200	1920	5120	7054	4232	—	11286		
6000G-HC76.L6.-KHEU	76	117	778	1042	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3400	1920	5320	7495	4232	—	11727		
6000G-HC80.L6.-KHEU	80	120	808	1083	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3550	1920	5470	7826	4232	—	12058		
6000G-HC93.L6.-KHEU	93	140	934	1250	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3650	1920	5570	8046	4232	—	12278		
6000G-HC101.L6.-KHEU	101	152	1017	1375	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	3850	1920	5770	8784	4232	—	13016		
6000G-HC108.L6.-KHEU	108	162	1083	1458	2200	86.6	2320	91.33	—	4520	177.9	1362	53.6	2300	90.6	348	13.7	2648	104.3	4050	1920	5970	8992	4232	—	13760		
6000G-HC124.L6.-KHEU	124	186	1250	1666	2400	94.5	2800	110.23	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	4800	1360	6160	10582	2988	—	13580		
6000G-HC139.L6.-KHEU	139	209	1400	1875	2400	94.5	2800	110.23	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	4900	1360	6260	10802	2988	—	13800		
6000G-HC146.L6.-KHEU	146	219	1461	1958	2400	94.5	2800	110.23	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	5000	1740	6740	11023	3836	—	14859		
6000G-HC160.L6.-KHEU	160	240	1617	2166	2400	94.5	2800	110.23	—	5200	204.7	1362	53.6	2300	90.6	348	13.7	2648	104.3	6000	1740	7740	13227	3836	—	17063		

PowerFlex 6000G Drive — Heavy Duty (IEC Rated)

1000V AC Input/Output (54 Pulse Configuration - 27 Power Cells) - 50 Hz

Base Catalog Number	Heavy Duty										Dimensions (WxDxH)										Base Drive Weight (kg)						Base Drive Weight (lbs)					
	Output Amps		Typical Motor Power Rating		Width		Width		Width		Depth		Height		Height		Height		W1		W2		W3 (where applicable)		W1		W2		W3 (where applicable)		Total Weight	
	Continuous	1 min.	kW	Hp	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	mm	Inches	mm	Inches	mm	mm	Inches	mm	mm	Inches	mm	mm	Inches
6000G-HC12.S...-S..E	12	18	176	236	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2000	740	—	3740	4409	3636	—	8245				
6000G-HC13.S...-S..E	13	20	198	265	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2100	740	—	3840	4630	3636	—	8466				
6000G-HC14.S...-S..E	14	21	220	295	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2200	740	—	3940	4850	3636	—	8888				
6000G-HC16.S...-S..E	16	24	246	330	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2300	740	—	4040	5071	3636	—	8907				
6000G-HC18.S...-S..E	19	29	277	371	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2400	740	—	4440	5281	3636	—	9127				
6000G-HC21.S...-S..E	21	32	312	418	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2500	740	—	4240	5512	3636	—	9348				
6000G-HC24.S...-S..E	24	36	352	472	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2600	740	—	4340	5732	3636	—	9568				
6000G-HC26.S...-S..E	26	39	396	531	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2700	740	—	4440	5952	3636	—	9789				
6000G-HC29.S...-S..E	29	44	440	580	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2800	740	—	4540	6173	3636	—	10009				
6000G-HC33.S...-S..E	33	50	493	661	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	2900	740	—	4640	6393	3636	—	10229				
6000G-HC38.S...-S..E	38	57	554	743	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	3000	740	—	4740	6614	3636	—	10450				
6000G-HC43.S...-S..E	43	65	625	838	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	3100	740	—	4840	6834	3636	—	10670				
6000G-HC46.S...-S..E	46	72	704	944	2000	78.7	2400	94.5	—	—	4400	173.2	1362	53.6	2400	94.5	348	13.7	2748	108.2	3200	740	—	4940	7055	3636	—	10891				
6000G-HC53.S...-S..E	53	80	792	1062	2200	86.6	2400	94.5	—	—	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	3300	740	—	5040	7275	3636	—	11111				
6000G-HC60.S...-S..E	60	90	880	1180	2200	86.6	2400	94.5	—	—	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	3400	740	—	5140	7496	3636	—	11332				
6000G-HC67.S...-S..E	67	101	986	1322	2200	86.6	2400	94.5	—	—	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	3600	740	—	5340	7937	3636	—	11773				
6000G-HC74.S...-S..E	71	116	1120	1502	2200	86.6	2400	94.5	—	—	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	3800	740	—	5540	8378	3636	—	12274				
6000G-HC86.S...-S..E	86	129	1280	1777	2200	86.6	2400	94.5	—	—	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	4000	740	—	5740	8818	3636	—	12655				
6000G-HC96.S...-S..E	96	144	1440	1931	2200	86.6	2400	94.5	—	—	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	4200	740	—	5940	9259	3636	—	13095				
6000G-HC100.S...-S..E	110	165	1600	2146	2200	86.6	2400	94.5	—	—	4600	181.1	1362	53.6	2400	94.5	348	13.7	2748	108.2	4800	740	—	6540	10582	3636	—	14418				
6000G-HC120.S...-S..E	120	180	1800	2444	2200	86.6	2400	94.5	—	—	4600	181.1	1362	53.6	2400	94.5	380	15.0	2780	109.4	5000	740	—	6740	11023	3636	—	14859				
6000G-HC134.S...-S..E	134	201	1920	2574	2400	94.5	4440	163.0	—	—	8540	257.5	1362	53.6	2400	94.5	380	15.0	2780	109.4	5200	3210	—	840	11464	7077	—	18541				
6000G-HC144.S...-S..E	144	216	2000	2682	2400	94.5	4140	163.0	—	—	8540	257.5	1362	53.6	2400	94.5	380	15.0	2780	109.4	5400	3210	—	8810	11905	7077	—	18982				
6000G-HC154.S...-S..E	154	231	2240	3004	2400	94.5	4140	163.0	—	—	8540	257.5	1362	53.6	2400	94.5	380	15.0	2780	109.4	5650	3210	—	8880	12456	7077	—	19533				
6000G-HC160.S...-S..E	160	240	2400	3218	2400	94.5	4140	163.0	—	—	8540	257.5	1362	53.6	2400	94.5	380	15.0	2780	109.4	5800	3210	—	9010	12787	7077	—	19864				

Cable Considerations

Depending on the type of motor selected, there can be different cable considerations. A variety of cable types are acceptable for drive installations. Follow applicable local codes to determine power and motor cable conductor size and quantity. For detailed information on cable installation, see the installation instructions for your drive, which are listed in the [Additional Resources on page 59](#).

Power Wiring Considerations

Incoming line power cable ratings are shown on the Electrical Drawings and reflect what would typically be supplied, based on line voltage rating. All voltage ratings for outgoing motor cables that are shown are line-to-ground rated power-frequency voltages and line-to-line power-frequency voltages.

Cable Insulation Requirements for Outgoing Motor Cables

Motor Voltage (V, RMS)	Cable Insulation Rating (kV) - Motor Side	
	Line-to-Ground Rated Power Frequency Voltage U_0	Line-to-Line Rated Power Frequency Voltage U
2300	≥1.7	≥2.8
2400	≥1.7	≥2.8
3000	≥2.3	≥3.9
3300	≥2.3	≥3.9
4000	≥2.8	≥4.8
4160	≥2.8	≥4.8
6000	≥4.0	≥6.9
6300	≥4.5	≥7.8
6600	≥4.5	≥7.8
6900	≥4.8	≥8.3
10,000	≥6.4	≥11.1
11,000	≥7.2	≥12.5

Select cables of appropriate voltage classes when the incoming line grid-side voltage class differs from the outgoing line motor-side voltage class. Standard power cable ratings commercially available can vary in different regions around the world. Cable must meet the minimum line-to-ground and line-to-line requirements.

IMPORTANT Follow the recommended field power cabling insulation levels to help ensure trouble-free startup and operation. The cable insulation level must be increased over that which would be supplied for an across-the-line application with the same rated line-to-line voltage.

Use fire retardant cables for the drive input/output connections.

Shielded or unshielded cable can be used based on the criteria that are considered by the distribution system designer and national and local electrical codes.

IMPORTANT PowerFlex 6000 drives are able to operate motors if the cable length is less than 800 m (2624 ft). When the cable length is longer than 800 m (2624 ft), an assessment may be required. For standard NEMA MG1 rated motors, there is a standard dV/dt filter. All other motors require assessment. Configurations can be provided for longer cable distances but must be specified at the time of order.

Motor Cable Sizing

Voltage drop in motor leads may adversely affect motor starting and running performance. Installation and application requirements may dictate that larger wire sizes than indicated in national and local electrical codes are used.

Wire sizes must be selected individually, observing all applicable safety and national and local electrical codes. The minimum permissible wire size does not necessarily result in the best operating economy. The minimum recommended size for the wires between the drive and the motor is the same as that used if a main voltage source connection to the motor was used. The distance between the drive and motor can affect the size of the conductors used.

Consult the Electrical Drawings and appropriate national and local electrical codes to determine the correct power wiring. If assistance is needed, contact your local Rockwell Automation Sales Office.

Control Signal Wiring Considerations

Use shielded cables for all analog and digital control cables. Steel conduit or a cable tray can be used for all PowerFlex 6000 drive power or control wiring; however, use only steel conduit for all signal wiring.

General Wire Categories

Each category has an associated wire group number that is used to identify the required wire. Application and signal examples, along with the recommended type of cable for each group, are provided. A matrix providing the recommended minimum spacing between different wire groups that run in the same tray or in a separate conduit is also provided.

General Wire Categories - PowerFlex 6000T Drives

Conductors Category	Voltage Class	Signal Examples	Recommended Cable	Conductors Group	Notes
Customers Control Power	<240V AC	120V or 220V, 1Ø	Per IEC / NEC, Local codes and application requirements	Tray or Conduit	Should only be run with 120 or 240 digital control
Digital I/O	<240V AC	Dry Contact Relay Logic Outputs	Per IEC / NEC, Local codes and application requirements	Tray or Conduit	Should only be run with Control Power
	24V DC	POD I/O or Dry Contact Relay Logic Output	Per IEC / NEC, Local codes and application requirements	Tray or Conduit	Can be run with Small Signal
Small Signal	Analog Signals	4...20 mA, ±10V	Belden 8760 ⁽¹⁾ Belden 8770 ⁽²⁾ Belden 9460 ⁽¹⁾	Tray or Conduit	Can be run with 24V DC digital I/O
	Communications	Ethernet, Internal Drive Link ⁽³⁾	CAT 5E	Tray or Conduit	

(1) 18 AWG, twisted-pair, shielded

(2) 18 AWG, 3 conductor, shielded

(3) Internal Drive Link Communication – The recommended cable to use is AB 1485C-P1Cxxx, where xxx is the length of the cable on the spool (Belden type YR 39660).

General Wire Categories - PowerFlex 6000G Drives

Conductors Category	Conductors Group	Machine With	Signal Examples	Recommended Cable	Conductors Group	Power Supplies mm (in.)	Control mm (in.)	To Controller
Power Supplies	1	AC power supply (TO 600V AC)	120V or 220V, 1Ø	Per IEC / NEC, Local codes and application requirements	Tray	228.6 (9.00)	152.4 (6.00)	All signal wiring must be run in separate steel conduit. A wire tray is not suitable. The minimum spacing between conduits containing different wire groups is 76.2 mm (3 in.).
Control	2	220V AC or 220V DC Logic	Relay Logic Controller I/O	Per IEC / NEC, Local codes and application requirements	Tray	228.6 (9.00)	152.4 (6.00)	
	3	24V AC or 24V DC logic	Controller I/O	Per IEC / NEC, Local codes and application requirements	Tray	228.6 (9.00)	152.4 (6.00)	
To Controller	4	Analog Signal DC supply	5...24V DC Supplies	Belden 8760 ⁽¹⁾ Belden 8770 ⁽²⁾ Belden 9460 ⁽¹⁾	All signal wiring must be run in separate steel conduit. A wire tray is not suitable. The minimum spacing between conduits containing different wire groups is 76.2 mm (3 in.).			
	5	Digital circuit (high speed)	Pulse train input encoder Controller communication	Belden 8760 ⁽¹⁾ Belden 9460 ⁽¹⁾ Belden 9463 ⁽³⁾				

(1) 18 AWG, twisted-pair, shielded
 (2) 18 AWG, 3 conductor, shielded
 (3) 24 AWG, twisted-pair, shielded

Line and Load Cable Sizes

The data in the following tables are informative only; do not base final design criteria solely on this data. Follow national and local installation codes, industry best practices, and cable manufacturer recommendations. As cabling methods can vary widely, maximum cables sizes do not account for the size of the conduit hub.

Maximum Size and Number of Incoming Cables Considerations

The cable sizing information in the following tables are based on overall dimensions of compact-stranded three-conductor shielded cable (common for industrial cable tray installations). Maximum sizing stated accounts for minimum rated cable insulation requirements and the next higher-rated cable (that is, 8 kV is not commercially available in many areas of the world, therefore Rockwell Automation provides an 8 kV (minimum rating) and a 15 kV rating, when applicable. Enclosure openings accommodate the thicker insulation on the higher-rated cable. IEC ratings show the equivalent to the NEMA sizes. The exact cable mm² size that is shown is not commercially available in many cases; use the next smaller standard size.

Minimum cable bend radius recommendations vary by national codes, cable type, and cable size. Consult local codes for guidelines and requirements. General relationship of cable diameter to bend radius is typically between 7x...12x (for example, if the cable diameter is 1 in. [2.54 cm] the minimum bend radius could range between 7...12 in. [18.8...30.48 cm]).

As cabling methods can vary widely, maximum cable sizes that are shown do not account for the size of the conduit hub. Verify the size of conduit hubs against the drive enclosure opening sizes that are listed in the tables on pages [51](#) and [52](#).

Line and Load Cable Sizes for A-frame Drives (IEC) - PowerFlex 6000T Drives

	Description		Drive Enclosure		Max Size and No. Incoming Cables: IEC
	Motor V	Frequency	Entry	Opening mm (in.)	
Maximum Line Cable Sizes	3000V	50 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² 6.6 kV/phase or 240 mm ² (500 MCM) 15 kV/phase
			Bottom	220 x 143 (8.7 x 5.6)	
	3300V	50 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² 6.6 kV/phase or 240 mm ² (500 MCM) 15 kV/phase
			Bottom	220 x 143 (8.7 x 5.6)	
	4000/4160V	50/60 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² 6.6 kV/phase or 240 mm ² (500 MCM) 15 kV/phase
Bottom			220 x 143 (8.7 x 5.6)		
6000V	50 Hz	Top	200 x 250 (7.87 x 9.84)	240 mm ² (500 MCM) 8 kV or 240 mm ² (500 MCM) 15 kV/phase	
6300/6600V	50 Hz	Bottom	170 x 400 (6.69 x 15.74)	240 mm ² (500 MCM) 8 kV or 240 mm ² (500 MCM) 15 kV/phase	
Maximum Load Cable Sizes	3000V	50/60 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² (400 MCM) 6.6 kV/phase
			Bottom	220 x 143 (8.7 x 5.6)	
	3300V	50/60 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² (400 MCM) 6.6 kV/phase
			Bottom	220 x 143 (8.7 x 5.6)	
	4000/4160V	50/60 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² (400 MCM) 6.6 kV/phase
Bottom			220 x 143 (8.7 x 5.6)		
6000V	50 Hz	Top	200 x 250 (7.87 x 9.84)	240 mm ² (500 MCM) 8 kV	
6300/6600V	50 Hz	Bottom	170 x 400 (6.69 x 15.74)	240 mm ² (500 MCM) 8 kV	

Line and Load Cable Sizes for A-frame Drives (UL) - PowerFlex 6000T Drives

	Description		Drive Enclosure		Max Size and No. Incoming Cables: IEC
	Motor V	Frequency	Entry	Opening mm (in.)	
Maximum Line Cable Sizes	2300/2400V	60 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² (400 MCM) 6.6 kV/phase
			Bottom	220 x 143 (8.7 x 5.6)	
	4000/4160V	50/60 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² (400 MCM) 6.6 kV/phase
			Bottom	220 x 143 (8.7 x 5.6)	
Maximum Load Cable Sizes	2300/2400V	60 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² (400 MCM) 6.6 kV/phase
			Bottom	220 x 143 (8.7 x 5.6)	
	4000/4160V	50/60 Hz	Top	435 x 300 (17.1 x 11.8)	203 mm ² (400 MCM) 6.6 kV/phase
			Bottom	220 x 143 (8.7 x 5.6)	

Line and Load Cable Sizes for B-frame Drives (IEC and UL) - PowerFlex 6000T Drives

	Description		Drive Enclosure	Max Size and No. Incoming Cables
	Motor V	Frequency	Opening mm (in.)	
Maximum Line Cable Sizes	2400V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 5 kV or 608 mm ² (1200 kcmil) 8 kV/phase
	3000V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 5 kV or 608 mm ² (1200 kcmil) 8 kV/phase
	3300V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 5 kV or 608 mm ² (1200 kcmil) 8 kV/phase
	4160V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 5 kV or 608 mm ² (1200 kcmil) 8 kV/phase
	6000V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 8 kV or 608 mm ² (1200 kcmil) 15 kV/phase
	6600V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 8 kV or 608 mm ² (1200 kcmil) 15 kV/phase
	7200V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 8 kV or 608 mm ² (1200 kcmil) 15 kV/phase
	10,000V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 15 kV/phase
	11,000V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 15 kV/phase

Line and Load Cable Sizes for B-frame Drives (IEC and UL) - PowerFlex 6000T Drives (Continued)

	Description		Drive Enclosure Opening mm (in.)	Max Size and No. Incoming Cables
	Motor V	Frequency		
Maximum Load Cable Sizes	2300/2400V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 5 kV or 608 mm ² (1200 kcmil) 8 kV/phase
	3000V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 5 kV or 608 mm ² (1200 kcmil) 8 kV/phase
	3300V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 5 kV or 608 mm ² (1200 kcmil) 8 kV/phase
	4000/4160V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 5 kV or 608 mm ² (1200 kcmil) 8 kV/phase
	6000V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 8 kV or 608 mm ² (1200 kcmil) 15 kV/phase
	6300/6600V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 8 kV or 608 mm ² (1200 kcmil) 15 kV/phase
	6900V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 8 kV or 608 mm ² (1200 kcmil) 15 kV/phase
	10,000V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 15 kV/phase
	11,000V	50/60 Hz	138 x 138 (5.4 x 5.4)	608 mm ² (1200 kcmil) 15 kV/phase

Line and Load Cable Sizes for H-frame Drives (IEC) - PowerFlex 6000G Drives

	Description		Drive Enclosure Opening mm (in.)	Max Size and No. Incoming Cables: IEC
	Motor V	Frequency		
Maximum Line Cable Sizes	3000V	50/60 Hz	110 (4.33)	300 mm ² (600 MCM) 5 kV or 240 mm ² (500 MCM) 8 kV/phase
	3300V	50/60 Hz	110 (4.33)	300 mm ² (600 MCM) 5 kV or 240 mm ² (500 MCM) 8 kV/phase
	6000V	50/60 Hz	110 (4.33)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
	6600V	50/60 Hz	110 (4.33)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
	10,000V	50/60 Hz	110 (4.33)	185 mm ² (350 MCM) 15 kV/phase
	11,000V	50/60 Hz	110 (4.33)	185 mm ² (350 MCM) 15 kV/phase
Maximum Load Cable Sizes	3000V	50/60 Hz	110 (4.33)	300 mm ² (600 MCM) 5 kV or 240 mm ² (500 MCM) 8 kV/phase
	3300V	50/60 Hz	110 (4.33)	300 mm ² (600 MCM) 5 kV or 240 mm ² (500 MCM) 8 kV/phase
	6000V	50/60 Hz	110 (4.33)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
	6600V	50/60 Hz	110 (4.33)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
	10,000V	50/60 Hz	110 (4.33)	185 mm ² (350 MCM) 15 kV/phase
	11,000V	50/60 Hz	110 (4.33)	185 mm ² (350 MCM) 15 kV/phase

Line and Load Cable Sizes for H-frame Drives (UL) - PowerFlex 6000G Drives

	Description		Drive Enclosure Opening mm (in.)	Max Size and No. Incoming Cables: IEC
	Motor V	Frequency		
Maximum Line Cable Sizes	2300/2400V	50/60 Hz	1150 x 200 (45.3 x 7.9)	300 mm ² (600 MCM) 5 kV or 240 mm ² (500 MCM) 8 kV/phase
	4000/4160V	50/60 Hz	1150 x 200 (45.3 x 7.9)	300 mm ² (600 MCM) 5 kV or 240 mm ² (500 MCM) 8 kV/phase
	6000V	50/60 Hz	1150 x 200 (45.3 x 7.9)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
	6300V	50/60 Hz	1150 x 200 (45.3 x 7.9)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
	6600V	50/60 Hz	1150 x 200 (45.3 x 7.9)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
	Maximum Load Cable Sizes	2300/2400V	50/60 Hz	1150 x 200 (45.3 x 7.9)
4000/4160V		50/60 Hz	1150 x 200 (45.3 x 7.9)	300 mm ² (600 MCM) 5 kV or 240 mm ² (500 MCM) 8 kV/phase
6000V		50/60 Hz	1150 x 200 (45.3 x 7.9)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
6300V		50/60 Hz	1150 x 200 (45.3 x 7.9)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase
6600V		50/60 Hz	1150 x 200 (45.3 x 7.9)	240 mm ² (500 MCM) 8 kV or 185 mm ² (350 MCM) 15 kV/phase

Selecting an Encoder (optional)

Applies only to induction motors and when using closed loop vector control.

An encoder is required under the following conditions:

1. When speed regulation accuracy must be between 0.01...0.02% of nominal speed.
2. When continuous running speed is greater than or equal to 0.1 Hz, but less than 6 Hz.
3. For minimizing restart times using the Flying Start capability in forward or reverse direction.

PowerFlex 6000T Drives Speed Regulation

Option	Frequency Output		
	<6 Hz	6...15 Hz	>6 Hz
Without Encoder	0.10%	0.10%	0.10%
With Encoder	0.01%	0.01%	0.01%

Take note of the following when using an encoder:

1. Speed Regulation is based on % of motor synchronous speed.
2. Mount the encoder on the AC machine.
3. The encoder feedback card supplies either 5V or 12V @ 250 mA as a standard option to power the encoder.
4. User is responsible for providing and mounting the encoder.
5. Sleeve bearing motors require the encoder to have an axial movement tolerance.
6. Recommended encoders are the shaft mounting type; examples are the Avtron 585 and 685 models, or the Northstar (Lakeshore) RIM Tach HS85. Magneto resistive models are more adaptable to harsh environments.
7. When installing an encoder, the encoder body and electronics must be isolated from ground (options available from the encoder manufacturer to accomplish this).
8. Cable lengths up to 600 ft (183 m) are supported. For details, consult the User's Manual of the encoder card as indicated in step 9.
9. Consult the User's Manual of the encoder card for detailed instructions.

Encoder Selection

Recommended Encoder ppr	
Motor rpm	Encoder ppr
3600	600
3000	600
1800	1024
1500	1024
1200	2048
1000	2048
900	2048
720	2048
600	2048

The following table lists the type of encoders that the PowerFlex 6000 drive supports, based on Universal Feedback Board selection. The drive supports encoders with a maximum frequency of up to 250 kHz pulses. A Single Encoder or Dual Encoder module should be used with incremental encoders.

Encoder Specifications

Encoder Type	Single Encoder Board	Dual Encoder Board	Universal Feedback Board
5V (TTL) incremental quadrature encoders with and without pulse	Yes	Yes	Yes
5V (HTL) incremental quadrature encoders with and without pulse	Yes	Yes	No
Open collector incremental quadrature encoders	No	No	No
Open emitter incremental quadrature encoders	No	No	No

Encoder Specifications (Continued)

Encoder Type	Single Encoder Board	Dual Encoder Board	Universal Feedback Board
EnDat sine cosine (Heidenhain)	No	No	Yes
Hiperface sine cosine (Stegmann)	No	No	Yes
BiSS encoder with sine cosine	No	No	Yes
SSI encoder with sine cosine	No	No	Yes
SSI full digital	No	No	Yes
EnDat full digital	No	No	Yes
BiSS full digital	No	No	Yes
Generic sine cosine	No	No	Yes
Linear Temposonics encoder	No	No	Yes
Linear Stahltronic - Pepperl+Fuchs	No	No	Yes
Linear encoders with SSI interfaces	No	No	Yes
Stegmann Hiperface DSL encoders	No	No	No
Transmitter type resolvers	No	No	No
Receiver type resolvers	No	No	No

Drive Torque Capabilities

PowerFlex 6000 drives have been tested on a dynamometer to verify performance under locked rotor, accelerating, and low speed-high torque conditions. The following table shows the drive torque capabilities as a percent of motor rated torque, independent of drive momentary overload conditions.

PowerFlex 6000T Drives Torque Capabilities - A-frame and B-frame (FV Control Mode)

Parameter	Open-loop Vector Control	Closed-loop Vector Control
Speed Range (for 100% torque and up to 150% starting torque)	100:1 Starting Torque Standard 100% (ND) Standard 150% (HD)	200:1 Starting Torque Standard 100% (ND) Standard 150% (HD) 100% Holding Torque
Torque Accuracy/Regulation (% of rated)	≤ ±2%	≤ ±2%
Torque Linearity (% of rated)	≤ ±2%	≤ ±2%
Torque Response	250 rad/s 39.8 Hz	>750 rad/s >119.3 Hz
Speed Accuracy/Regulation (% of rated)	≤ ±0.1%	≤ ±0.01%
Speed Response	20 rad/s 3.18 Hz	>20 rad/s >3.18 Hz

Full Load Currents

This table is FOR REFERENCE ONLY. The full load currents that are listed below are 'average values' that should be used only as a guide for selecting appropriate components for the Motor Branch Circuit. The rated full load current, which is shown on the motor nameplate, may vary considerably from the list value depending on the specific motor design.

IMPORTANT The motor nameplate full load current should always be used in determining the rating of the devices that are used for Motor Running Overcurrent Protection.

Full Load Currents of 3 Phase, 50/60 Hz Medium Voltage AC Induction Motors

kW	HP	Full Load Current at 1800 RPM (Amperes)							
		2300V	3300V	4000V	4600V	6000V	6300V	6600V	6900V
75	100	23	16	13	11	9	8	8	8
95	125	29	20	16	14	11	10	10	10
110	150	34	24	20	17	13	13	12	11
130	175	40	28	23	20	15	15	14	13
150	200	46	32	26	23	18	17	16	15
170	225	52	36	30	26	20	19	18	17
187	250	57	40	33	29	22	21	20	19
225	300	68	48	39	34	26	25	24	23
260	350	80	56	46	40	31	29	28	27
300	400	91	64	52	46	35	33	32	30
335	450	103	72	59	51	39	38	36	34
373	500	113	79	65	57	43	41	39	38
450	600	134	94	77	67	52	49	47	45
522	700	158	110	91	79	60	58	55	53
560	750	169	118	97	85	65	62	59	56
600	800	177	124	102	89	68	65	62	59
670	900	202	141	116	101	77	74	70	67
750	1000	216	151	124	108	83	79	75	72
933	1250	273	190	157	137	105	100	95	91
1120	1500	326	227	188	163	125	119	114	109
1300	1750	376	262	216	188	144	137	131	125
1500	2000	434	303	250	217	166	159	151	145
1680	2250	485	338	279	242	186	177	169	162
1865	2500	537	375	309	269	206	196	187	179
2050	2750	591	412	340	296	227	216	206	197
2240	3000	647	451	372	324	248	236	226	216
2600	3500	750	523	431	375	288	274	261	250
3000	4000	857	597	493	429	329	313	299	286
3360	4500	964	672	554	482	370	352	336	321
3730	5000	1071	747	616	536	411	391	373	357
4100	5500	1179	821	678	589	452	430	411	393
4475	6000	1286	896	739	643	493	469	448	429
5225	7000	1500	1046	863	750	575	548	523	500
6000	8000	1714	1195	986	857	657	626	597	571
6720	9000	1929	1344	1109	964	739	704	672	643
7500	10000	2143	1494	1232	1071	821	782	747	714

Drive Options

The following tables show typically selected options for PowerFlex 6000 drives.

Door-mounted Operator Interface and Pilot Devices

Description	Option Number	
	6000G	6000T
Enhanced HIM	–	-14EHIM
Door-mounted HIM	–	-14C6S
Red emergency stop (push-pull) push button and safety relay ⁽¹⁾	-1EDSTP	–
Emergency stop push button	–	-1ESTP
Green start push button ⁽¹⁾	-1STR	-1STR
Red stop push button ⁽¹⁾	-1STP	-1STP
Forward-reverse selector switch	–	-3FF
Local-remote selector switch ⁽¹⁾	-3LL	-3LL
Forward pilot light ⁽²⁾	-4FOR_	-4FOR_
Reverse pilot light ⁽²⁾	–	-4REVA_
Drive ready pilot light ⁽²⁾	-4DRY_	-4DRY_
Drive running pilot light ⁽²⁾	–	-4DRN_
Alarm pilot light ⁽²⁾	–	-4ALM
Fault pilot light ⁽²⁾	–	-4FLT_
Black Jog push button	–	-1JOG
Speed control potentiometer ⁽¹⁾	-760A	-760A

(1) These pilot device options are typically selected together.

(2) These pilot light options are typically selected together.

Isolated Analog Signal Interface ⁽¹⁾

Description	Option Number	
	6000G	6000T
Input speed reference (4...20 mA input signal)	-14TS1	-14TS1
Output speed reference (4...20 mA output signal)	-14TS2	-14TS2
Output voltage reference (4...20 mA output signal)	–	-14TS3
Output current reference (4...20 mA output signal)	-14TS4	-14TS4
Output load (kW) reference (4...20 mA output signal)	–	-14TS5
Output torque reference (4...20 mA output signal)	–	-14TS6

(1) A maximum of four isolated outputs allowed.

Communication Adapters

Description	Option Number	
	6000G	6000T
Modbus RTU follower (RS-485) communication adapter	–	-13TMLXH
Modbus TCP (RJ45) communication adapter	–	-13TMLXM
Modbus Plus follower (RS-485) communication adapter	–	-13TMLXMP
Universal Serial Bus (USB) converter	–	-13TUSB
EtherNet/IP (RJ45) port located on LV compartment door	–	-13TCOMME
PROFIBUS DPV1 option module	–	-13TCOMMP
Single PROFINET I/O option module	–	-13TCOMMPN1
Dual PROFINET I/O option module	–	-13TCOMMPN2
EtherNet/IP	-13MLXE	–

Communication Adapters (Continued)

Description	Option Number	
	6000G	6000T
Dual-port EtherNet/IP option module	—	-13TCOMMER1
PROFIBUS (RS-485)	-13MLXP	—
TLink option module	—	-13TCOMMTL

Encoder and Feedback Cards for Flux Vector Control

Description	Option Number	
	6000G	6000T
Single incremental encoder option module	—	-14TFS
Dual incremental encoder option module	—	-14TFD
Universal Feedback Board (UFB) option module	—	-14UFB

Redundancy Options

Description	Option Number	
	6000G	6000T
Redundant fan	-14RF	-14RF
Redundant power supply	—	-14PS

Miscellaneous

Description	Option Number	
	6000G	6000T
Provision for ducting exhaust air	-14RD	-14RD
Optional UPS (internal) to supply 0...10 s power loss auto-restart	—	-14RT2
Automatic cell bypass	-14CB	-14CB
Manual bypass - (1) Motor	—	-24TAMB
Manual bypass - (2) Motor	—	-24BMB
Automatic bypass - (1) Motor	—	-24AAB
Automatic bypass - (2) Motor	—	-24BAB
Primary precharge current limiting circuit/cabinet	-14SC	-14SC
Secondary precharge current limiting circuit ⁽¹⁾	—	-14SPC
dV/dt output filter	-14FC	-14FC
Output power device control circuit	—	-24TAOP
Power cell lifting cart	-14LC	-14LC
Lifting bars for top lifting	-14LB	-14LB
Four auxiliary contacts for remote indication of Drive Running, Drive Ready, Fault, and Warning	-89D5	-89D6
Thermal option for 12 RTDs	—	-84TR
Thermal option for 12 Thermocouples	—	-84TT
Digital/analog I/O Card	—	-14DAIO
Input surge arresters	—	-6001A
Predictive Maintenance for fans and MMBL	—	-14PDM
Predictive Maintenance for transformer and air flow	—	-14PDMAT
System ready pilot light	—	-4SRY_

(1) Available for B-frame drives only and on drives with drive current ratings of 408 A (ND) or 326 A (HD) and above. Other B-frame drives that require a secondary precharge must be entered as a CMOD. When this option is selected, you must also select the secondary precharge voltage from the following options: 380V, 400V, 415V, 480V, or 600V.

Notes:

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
PowerFlex 6000T Drives Shipping and Handling Product Information, publication 6000-PC100	Provides instructions for shipping and handling PowerFlex 6000T drives and related equipment.
PowerFlex 6000T Drives Installation Instructions, publication 6000-IN100	Provides instructions for installing PowerFlex 6000T drives and related equipment.
PowerFlex 6000T Drives Hardware Service Manual, publication 6000-TG100	Provides instructions for daily recurring drive usage, HMI interface, and maintenance tasks for the product's end user.
PowerFlex 6000T Drives Programming Manual, publication 6000-PM100	Provides detailed information on drive features, programming parameters, and troubleshooting faults and alarms.
PowerFlex 6000 Medium Voltage Variable Frequency Drive Installation Instructions, publication 6000-IN006	Provides instructions for installing the PowerFlex 6000 drive, dimensions, requirements, and wiring information.
PowerFlex 6000 Medium Voltage Variable Frequency Drive Shipping and Handling Manual Installation Instructions, publication 6000-IN008	Provides instructions for shipping and handling a PowerFlex 6000 medium voltage variable frequency drive and related equipment.
PowerFlex 6000 Medium Voltage Variable Frequency Drive User Manual, publication 6000-UM002	Provides instructions for PowerFlex 6000 daily recurring drive usage, HMI, and maintenance tasks for the product's end user.
PowerFlex 6000 Medium Voltage Variable Frequency Drive Firmware, Parameters, and Troubleshooting Manual Technical Data, publication 6000-TD004	Provides detailed information on PowerFlex 6000 drive features, parameters, and troubleshooting faults.
EtherNet/IP Network Devices User Manual, publication ENET-UM006	Describes how to configure and use EtherNet/IP devices to communicate on the EtherNet/IP network.
Ethernet Reference Manual, publication ENET-RM002	Describes basic Ethernet concepts, infrastructure components, and infrastructure features.
System Security Design Guidelines Reference Manual, publication SECURE-RM001	Provides guidance on how to conduct security assessments, implement Rockwell Automation products in a secure system, harden the control system, manage user access, and dispose of equipment.
Industrial Components Preventive Maintenance, Enclosures, and Contact Ratings Specifications, publication IC-TD002	Provides a quick reference tool for Allen-Bradley industrial automation controls and assemblies.
Safety Guidelines for the Application, Installation, and Maintenance of Solid-state Control, publication SGI-1.1	Designed to harmonize with NEMA Standards Publication No. ICS 1.1-1987 and provides general guidelines for the application, installation, and maintenance of solid-state control in the form of individual devices or packaged assemblies incorporating solid-state components.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, rok.auto/certifications	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at rok.auto/literature.

Rockwell Automation Support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, Knowledgebase, and product notification updates.	rok.auto/support
Local Technical Support Phone Numbers	Locate the telephone number for your country.	rok.auto/phonesupport
Technical Documentation Center	Quickly access and download technical specifications, installation instructions, and user manuals.	rok.auto/techdocs
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	rok.auto/literature
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	rok.auto/pcdc

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