

POWERBOSS INTEGRA PRODUCT SPECIFICATIONS

Parameter	Description
Supply Voltage	220 – 1100V +6% / -15%
Supply Frequency	47/63 Hz
Ambient Temperature	-10 - +40C, Reduce kW (HP) Rating 2% per Deg C up to 50 C
Storage Temperature	-40 - +60 C
Relative Humidity	<95% No condensation allowed
Application Sets	7 Application sets are provided as standard
Altitude	Maximum 1000 M. Reduce kW Rating by 1% per additional 100 M
Starting Duty	2.5 X unit rating in amperes for 60 Sec, 3 X unit rating in amperes for 30 Sec, 4 X unit rating in amperes for 10 Sec, 5.5 X unit rating in amperes for 5 Sec.
Starts per Hour	12 evenly spaced starts per hour at the 'Starting Duty' ratings
Pedestal Voltage	25 – 80% of supply voltage 1% increments
Starting Current Limit	25 – 80% of the DOL starting current in 1% increments
Starting Current Time	0 – 255 in 1 Sec increments
Starting Torque	6 – 64% of the DOL starting torque in 1% increments
Kick Start Level	9 – 100% of the DOL starting torque in 1% increments
Kick Start Time	0.1– 25 Sec in 0.1 Sec increments
Ramp Up Time	0.5 – 255 Sec in 1 Sec increments
Ramp Down Time	0.5 – 120 Sec in 1 Sec increments
Step Down Voltage	100 - 30% Line voltage in 1% increments
Fault Detection	Shut down for loss of phase and short-circuit Thyristor
Cooling	Force Cooled
Relays	Contact Rating 1.2KVA, 250V AC Max
Fan Voltage	110 or 220V as specified
Enclosure	IP20, NEMA1
Safety Standards	UL508C, CSA, EEC EN50082-2, EN55011, 73/23/EEC

POWERBOSS INTEGRA SELECTION GUIDE 220 - 575V

Chassis Size HxWxD mm		Model	Weight kg	Motor Rating Amps	Motor kW (HP) @ 208-230V*	Motor kW (HP) @ 380/480V*	Motor kW (HP) @ 525/575V*	Protection
H448 W305 D205	SIZE 3	PBI 75	22	145	45 (60)	75 (100)	110 (150)	IP20 Nema1
		PBI 90	22	170	55 (75)	90 (125)	132 (180)	IP20 Nema1
		PBI 110	24	205	63 (85)	110 (150)	150 (200)	IP20 Nema1
H590 W368 D211	SIZE 4	PBI 132	28	255	75 (100)	132 (180)	186 (250)	IP20 Nema1
		PBI 150	28	290	85 (120)	150 (200)	220 (290)	IP20 Nema1
		PBI 185	33	340	110 (150)	186 (250)	260 (350)	IP20 Nema1
		PBI 225	33	410	132 (180)	225 (300)	315 (420)	IP20 Nema1
H730 W460 D253	SIZE 5	PBI 260	46	475	150 (200)	260 (350)	375 (500)	IP20 Nema1
		PBI 315	46	580	186 (250)	315 (420)	450 (600)	IP20 Nema1
		PBI 375	48	670	215 (300)	375 (500)	500 (650)	IP20 Nema1
H920 W786 D339	SIZE 6	PBI 450	72	800	260 (350)	450 (600)	600 (800)	IP20 Nema1
		PBI 630	110	1100	315 (420)	630 (850)	850 (1100)	IP20 Nema1

Units should be sized by motor current; the kW ratings are a guide only.

IMPORTANT NOTICE
UNITS PBI 450 AND PBI 630 LISTED IN THE ABOVE TABLE DO NOT
CARRY UL 508C, 2002 ed.revised 2005/11/30 OR CSA C22.2 No. 14-
05 UPDATE No.1 APPROVALS

POWERBOSS INTEGRA SELECTION GUIDE 690 & 1100V

Chassis Size HxWxD mm		Model	Weight kg	Motor Rating Amps (690V)	Motor Rating Amps (1100V)	Motor kW (HP) @ 690V*	Motor kW (HP) @ 1100V*	Protection
H448 W305 D205	SIZE 3	PBI 75	22	145	N/A	150 (200)	N/A	IP20 Nema1
H590 W368 D211	SIZE 4	PBI 132	28	N/A	125	N/A	200 (275)	IP20 Nema1
		PBI 150	28	290	195	300 (400)	300 (400)	
		PBI 185	33	N/A	220	N/A	350 (475)	
		PBI 225	33	410	250	400 (550)	400 (550)	
H730 W460 D253	SIZE 5	PBI 315	46	580	280	550 (750)	450 (600)	IP20 Nema1
		PBI 375	46	N/A	400	N/A	650 (880)	
H920 W786 D339	SIZE 6	PBI 450	80	800	455	800 (1100)	750 (1000)	IP20 Nema1
		PBI 630	120	1100	670	1100 (1500)	1000 (1360)	
		PBI 800	150	N/A	870	N/A	1450 (1970)	

Units should be sized by motor current; the kW ratings are a guide only.

IMPORTANT NOTICE

**UNITS RATED AT 690 AND 1100VAC DO NOT CARRY UL 508C, 2002
ed.revised 2005/11/30 OR CSA C22.2 No. 14-05 UPDATE No.1
APPROVALS**