

VJPFPM2550T-5

100HP, 3530RPM, 3PH, 60HZ, 365JP, 4260M, OPSB



Product Information Packet PDF

Ship Weight	523.000 LB
UPC	781568840412

Specs

Catalog Number	VJPFPM2550T-5	Lifting Lugs	Vertical Lifting Lugs
Enclosure	OPSB	Locked Bearing Indicator	Locked Bearing
Frame	365JP	Motor Lead Exit	Ko Box
Frame Material	Steel	Motor Lead Termination	Flying Leads
Frequency	60.00 Hz	Motor Lead Quantity/Wire Size	6 @ 6 AWG
Motor Letter Type	Three Phase	Motor Type	4260M
Output @ Frequency	100.000 HP @ 60 HZ	Mounting Arrangement	F1
Phase	3	Number of Poles	2
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ	Overall Length	33.50 IN
Voltage @ Frequency	575.0 V @ 60 HZ	Power Factor	89
Agency Approvals	UL CSA EEV	Product Family	Fire Pump Motor
Ambient Temperature	40 °C	Pulley End Bearing Type	Ball
Auxillary Box	No Auxillary Box	Pulley Face Code	C-Face
Auxillary Box Lead Termination	None	Pulley Shaft Indicator	Tapped & Key
Base Indicator	No Mounting	Rodent Screen	Included
Bearing Grease Type	Polyrex EM (-20F +300F)	Service Factor	1.15
Blower	None	Shaft Diameter	2.125 IN
Current @ Voltage	90.000 A @ 575.0 V	Shaft Extension Location	Pulley End
Design Code	B	Shaft Ground Indicator	No Shaft Grounding
Drip Cover	Drip Cover	Shaft Rotation	Reversible
Duty Rating	CONT	Shaft Slinger Indicator	Shaft Slinger

Efficiency @ 100% Load	93.0 %	Speed	3530 rpm
Electrically Isolated Bearing	Not Electrically Isolated	Speed Code	Single Speed
Feedback Device	NO FEEDBACK	Motor Standards	NEMA
High Voltage Full Load Amps	90.0 a	Starting Method	Wye Start - Delta Run
Front Face Code	Standard	Thermal Device - Bearing	None
Front Shaft Indicator	None	Thermal Device - Winding	None
Heater Indicator	No Heater	Vibration Sensor Indicator	No Vibration Sensor
Insulation Class	F	Winding Thermal 1	None
Inverter Code	Not Inverter	Winding Thermal 2	None
KVA Code	F		

Drawings

Dimension Sheet

Connection Diagram

Literature

⚠ CAD files for this product are currently unavailable.
Visit one of our Part Community Portals for further assistance.

Nameplate

CAT.NO.	VJPFPM2550T-5				CUST P/N				
SPEC.	42E338X105H2				SER.NO.				
HZ	60	HP	100	RPM	3530	HZ		HP	
VOLTS	575		CODE	F	VOLTS				
AMPS	90		DES	B	AMPS				
EFF	93	SER.F.	1.15	PF	89	EFF		SER.F.	
RATING	40C AMB-CONT				DE BRG	6313		GREASE	POLYF
BLANK					ODE BRG	6311		MTR. WT.	5%
					CLASS	F	PH	3	
					ENCL	OPSB	CC	010A	
HTR-VOLTS		HTR-AMPS		HTR-WATTS					

NP3454L

Performance

Performance at 575 V, 60 Hz, 100 hp

Typical performance; not guaranteed values.

General Characteristics

Full Load Torque	0 LB-FT	Start Configuration	DOL
No-Load Current	0 A	Break-Down Torque	505 LB-FT
Line-Line Res. @ 25° C	0.0974 Ohms A Ph / 0 Ohms B Ph	Pull-Up Torque	201 LB-FT
Temp. Rise @ Rated Load	56° C	Locked-Rotor Torque	244 LB-FT
Temp. Rise @ S.F. Load	68° C	Starting Current	547 A

Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	7.0	67.0	83.0	87.0	89.0	88.0	87.0	88.0
Efficiency	0.0	91.9	94.1	93.9	93.2	92.1	90.6	92.5
Speed (RPM)	3,599	3,587	3,572	3,555	3,536	3,514	3,490	3,523
Line Amps	21.10	30.80	48.20	68.70	90.30	114.00	140.00	105.00

Performance Curves

Parts

Part Number	Description	Quantity
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100bx)4/22	1.000 EA