

PRODUCT INFORMATION PACKET



Model No: C182T17FK48A

Catalog No: 199766.00

..3HP..3600RPM.182JM.TEFC.230/460V.3PH.60HZ.CONT.40C..RIGID C FACE.....JM PUMP.....
JM



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Nameplate Specifications

Output HP	3 Hp	Output KW	2.24 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.6/3.8 A	Speed	3532 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	H	Frame	182JM
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	2	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	JM
Overall Length	18.36 in	Shaft Diameter	0.88 in
Shaft Extension	4.28 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620560	Connection Diagram	NONE

Data Sheet

Date: 1/30/2018

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Data @ 460 V

Motor Load Data

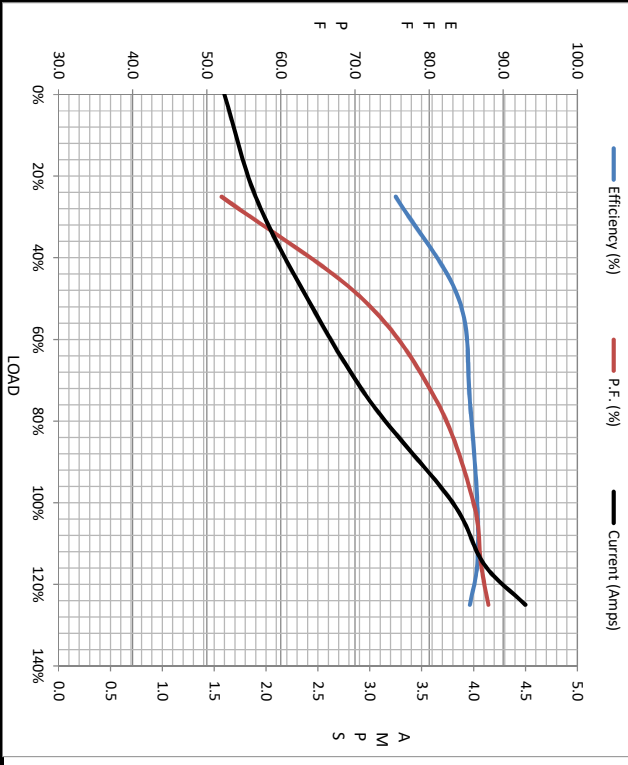
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.60	1.90	2.40	3.0	3.8	4.1	4.5	25.0
Torque (ft-lb)	0.00	1.10	2.20	3.3	4.5	5.1	5.6	8.1
RPM	3600	3575	3555	3540	3532	3520	3505	0
Efficiency (%)		75.5	84.0	85.5	86.5	86.5	85.5	
P.F. (%)	9.0	52.0	71.0	81.0	86.0	87.0	88.0	49.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2850	3532	3600
Current (Amps)	25.0	22.0	17.5	3.8	1.60
Torque (ft-lb)	8.1	7.0	13.8	4.5	0.00

Information Block

HP	3.0
Sync. RPM	3600
Frame	182
Enclosure	TEFC
Construction	TFC
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	55 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.20 Lb-Ft²
Rel Wdg	CHT18220005 NONE
Sound Pressure @ 1M	72 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	SS620560
Conn. Diag	NONE
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
2.0810	1.4660
X1	X2
4.7300	2.1290
Xm	174.5370



Speed -Torque Curve

