

Multispeed Motors

Model No: 184TTDBD7230

Catalog No: Y468B

Multispeed Motor, 3 & 0.75 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 RPM, 184T Frame, DP

Product Information Packet: Model No: 184TTDBD7230, Catalog No: Y468B Multispeed Motor, 3 & 0.75 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 RPM, 184T Frame, DP

Nameplate Specifications

Phase	3	Output HP	3 & 0.75 Hp
Output KW	2.2 & 0.56 kW	Voltage	460 & 460 V
Speed	1770 & 882 r/min	Synchronous RPM	1800 & 900 r/min
Service Factor	1.15 & 1.15	Frame	184T
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	83.5 & 67 %	Ambient Temperature	40 °C
Frequency	60 & 60 Hz	Current	3.8 & 1.8 A
Power Factor	83.5	Duty	Continuous
Insulation Class	F	Design Code	2VT
KVA Code	K	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	22	Number of Speeds	2

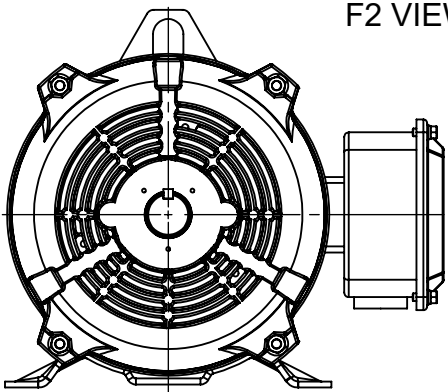
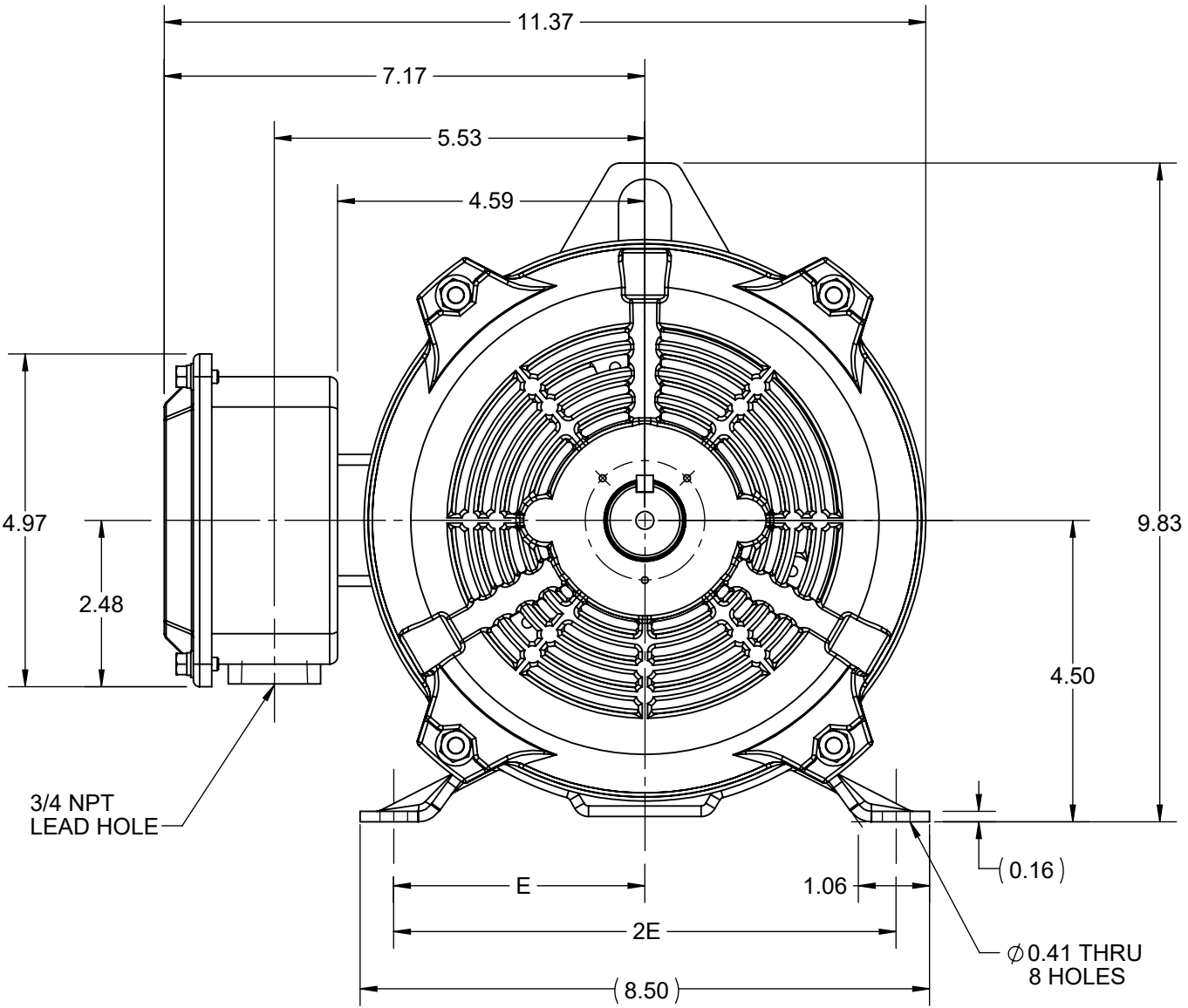
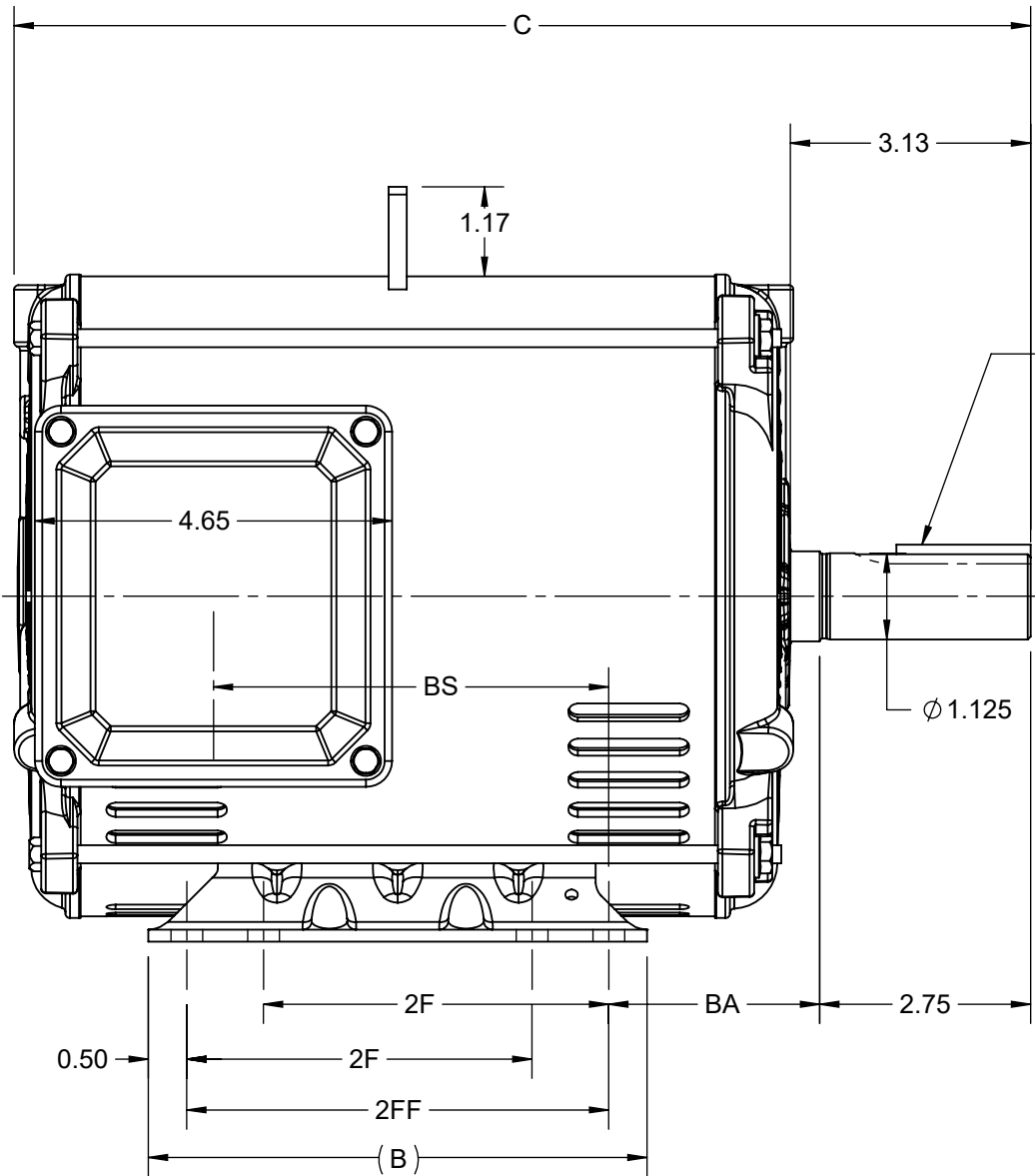
Technical Specifications

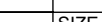
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4//8	Rotation	Reversible
Resistance Main	7.8549 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1/F2 Capable		

Drawings

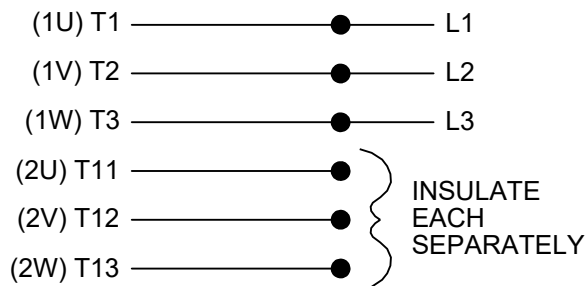
Connection Drawing	EE7317	Outline Drawing	SS600198-200
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4				3				2			1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME	
100	6.50	12.25	3.75	7.50	4.50	5.50	2.75	4.15	F1 OR F2	182T	
200		13.25						5.15		184T	

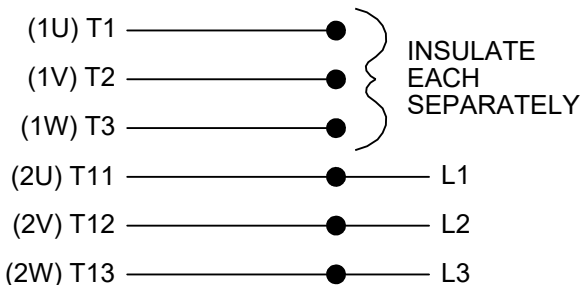


DRAWING REVISION G		REVISION BY SB		REV DATE/© DATE 08/11/2025		DRAWN BY PRIYA		marathon™						
REQUEST NUMBER CR-0023556		APPROVED BY SBD		DATE 08/11/2025		DATE 12/03/2018								
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED						APPROVED BY SBD		DESCRIPTION						
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						REFERENCE		MATERIAL		PROCESS/FINISH				
						THIRD ANGLE PROJECTION				SIZE B	DRAWING NUMBER SS600198		SHEET 1 OF 1	
						PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY								

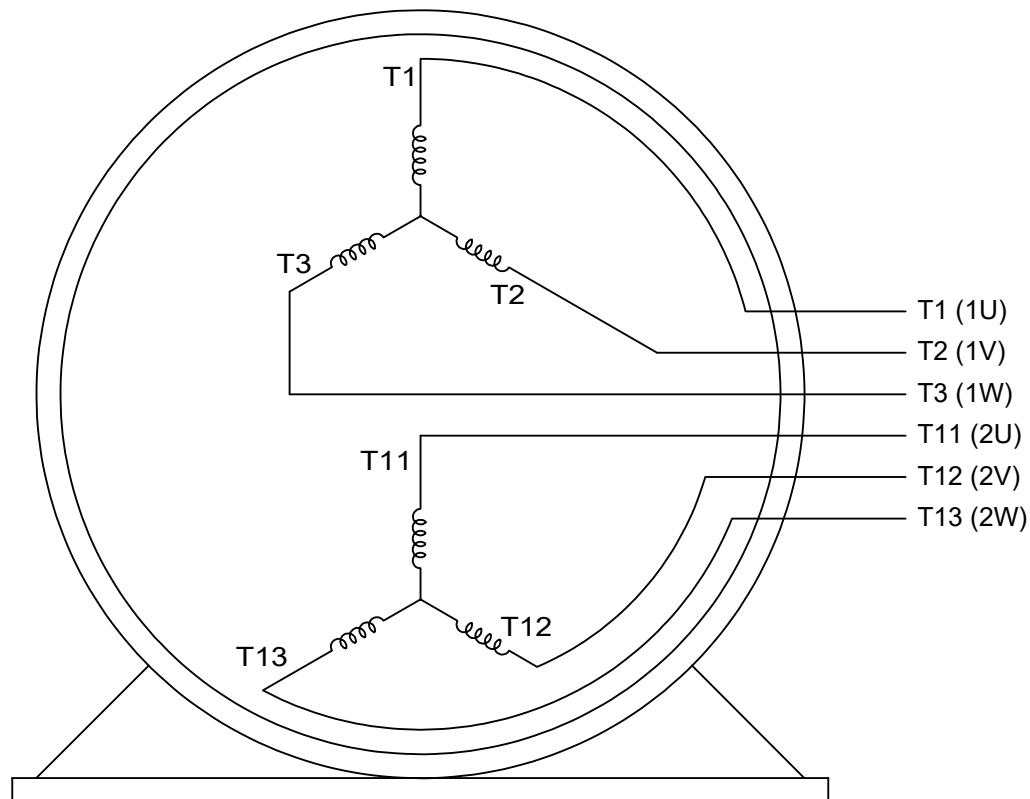
LOW SPEED



HIGHSPEED



THREE PHASE, SINGLE VOLT, 6 LEAD 2 SPEED REVERSIBLE MOTOR



VIEW OF TERMINAL END

TO REVERSE ROTATION ON
EITHER SPEED: INTERCHANGE
ANY 2 LEADS ON THE
WINDING IN USE.

DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 10/08/2025
REQUEST NUMBER CR-0024284	APPROVED BY RMS	DATE 10/08/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY LZ	marathon™		
DATE 01-05-1994			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-INTERNAL		
DATE 01-17-1994	3 PHASE - SINGLE - 2 SPEED REVERSIBLE		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7317	SHEET 1 OF 1

Data Sheet

Date: 12/14/2021
 Customer: _____
 Attention: _____
 Submitted by: SHERYL KUEHMICHEL



184TTD7230

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.00	2.20	2.50	3.2	3.8	4.2	4.5	32.5	
Torque(ft-lb)	0.00	2.20	4.4	6.7	8.9	10.2	11.2	16.1	
RPM	1800	1792	1785	1778	1770	1,765	1762	0	
Efficiency (%)		75.0	83.4	85.5	83.5	85.0	84.5		
P.F. (%)	11.0	43.0	64.5	77.0	83.5	85.5	87.0	69.8	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	885	1535	1770	1800
Current (Amps)	32.5	29.3	18.2	3.8	2.00
Torque(ft-lb)	16.1	13.7	28.0	8.9	0.00

Information Block

HP	3.0
Sync. RPM	1800
Frame	184T
Enclosure	DP
Construction	TDR
Voltage	460 V
Frequency	60 Hz
Design	2VT
LR Code letter	K
Service Factor	1.15
Temp Rise @ FL	75 °C
Duty	CONT
Ambient	40 °C
Elevation	3,300 feet
Rotor/Shaft wk ²	0.00 Lb-Ft ²
Ref Wdg	HA3112(4-8)02 HS
Sound Pressure @ 1M	0 dBA
VFD Rating	NA
Outline Dwg	SS600198-200
Conn. Diag	EE7317

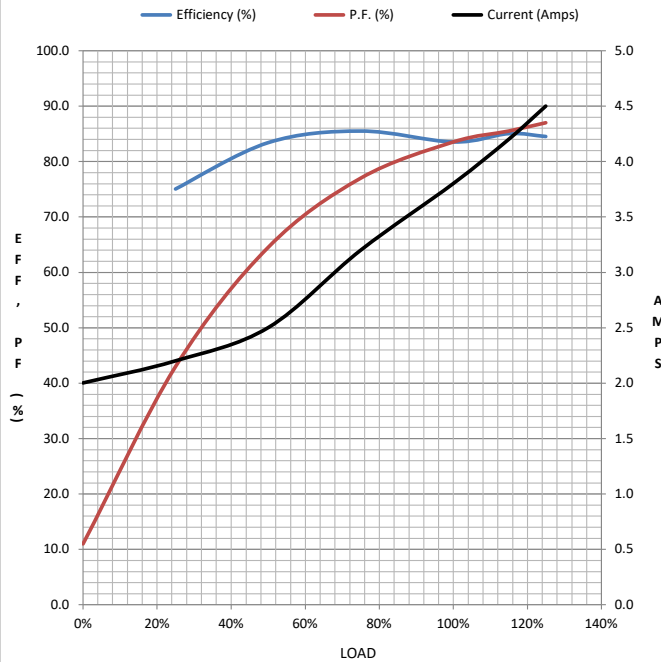
Additional Specifications:

CATALOG # Y468B

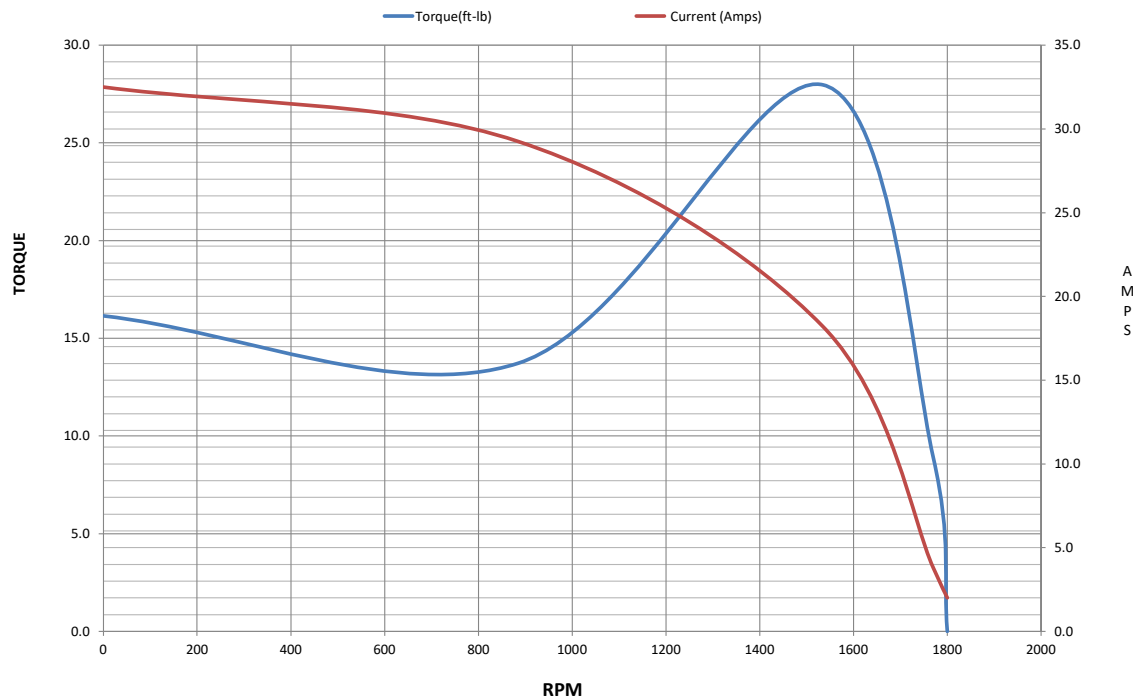
HIGH SPEED PERFORMANCE

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
4.5285	1.1628	5.1997	4.4434	128.5744



Speed -Torque Curve



Data Sheet

Date: 12/14/2021
 Customer: _____
 Attention: _____
 Submitted by: SHERYL KUEHMICHEL



184TTDDBD7230

Submittal

Data @ 460 V

Motor Load Data

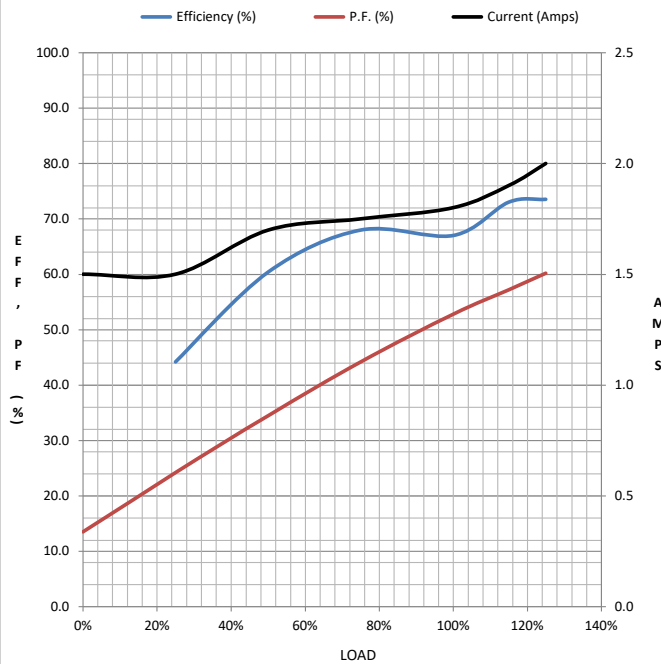
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.50	1.50	1.70	1.75	1.80	1.90	2.00	8.5	
Torque(ft-lb)	0.00	1.11	2.22	3.3	4.5	5.1	5.6	7.5	
RPM	900	895	892	888	882	880	878	0	
Efficiency (%)		44.2	60.4	68.0	67.0	73.0	73.5		
P.F. (%)	13.5	24.2	34.5	44.2	52.8	57.2	60.2	64	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	441	770	882	900
Current (Amps)	8.5	7.7	5.0	1.80	1.50
Torque(ft-lb)	7.5	6.4	14.0	4.5	0.00

Information Block

HP	0.75			
Sync. RPM	900			
Frame	184T			
Enclosure	DP			
Construction	TDR			
Voltage	460	V		
Frequency	60	Hz		
Design	2VT			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	75	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	3,300	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	HA3112(4-8)02 HS			
Sound Pressure @ 1M	0	dBA		
VFD Rating	NA			
Outline Dwg	SS600198-200			
Conn. Diag	EE7317			
Additional Specifications:				
CATALOG # Y468B				
LOW SPEED PERFORMANCE				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
16.0353	4.5005	14.3712	19.2877	145.9813



Speed -Torque Curve

