

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 400VFC7028
Catalog No: 400VFC7028
700,1800,400,TEFC,3/60/4000

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The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

Nameplate Specifications

Phase	3	Output HP	700 Hp
Output KW	520.0 kW	Voltage	4000 V
Speed	1788 rpm	Service Factor	1
Frame	400	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	92.5 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	G
Drive End Bearing Size	NU326	Opp Drive End Bearing Size	6326
UL	No	CSA	N
CE	N	IP Code	56
Number of Speeds	1		

Technical Specifications

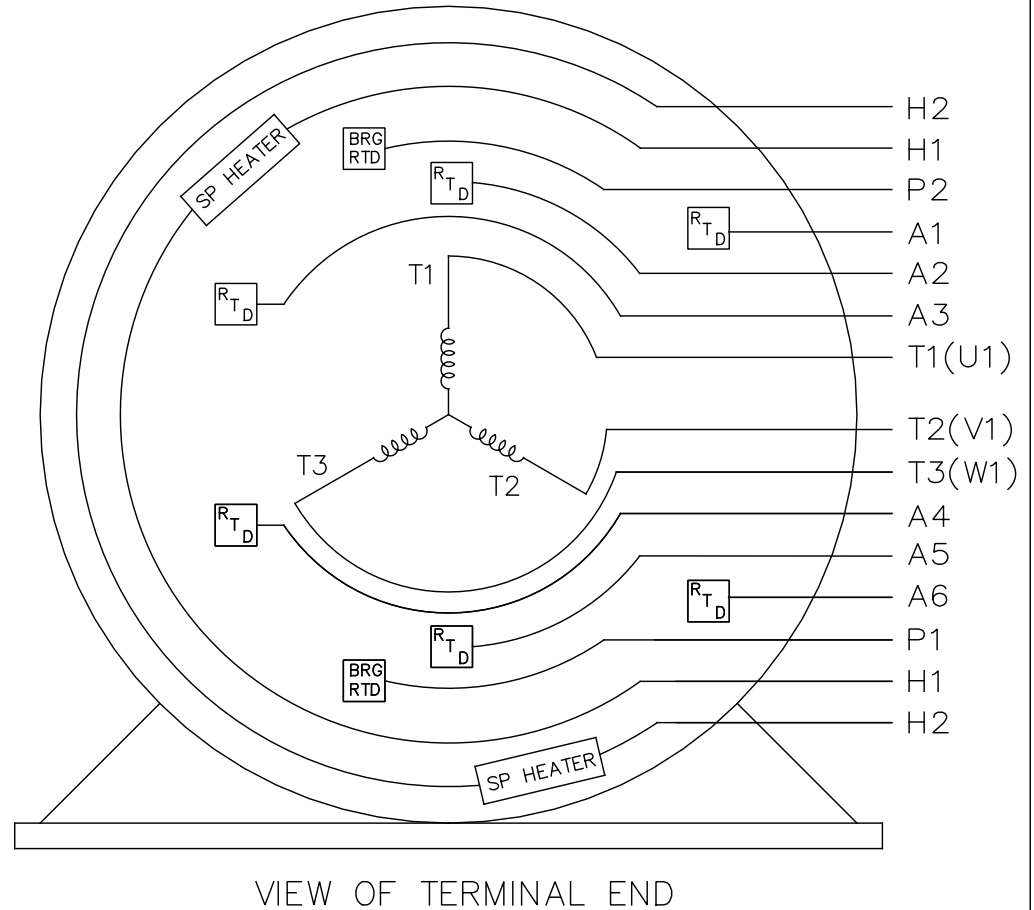
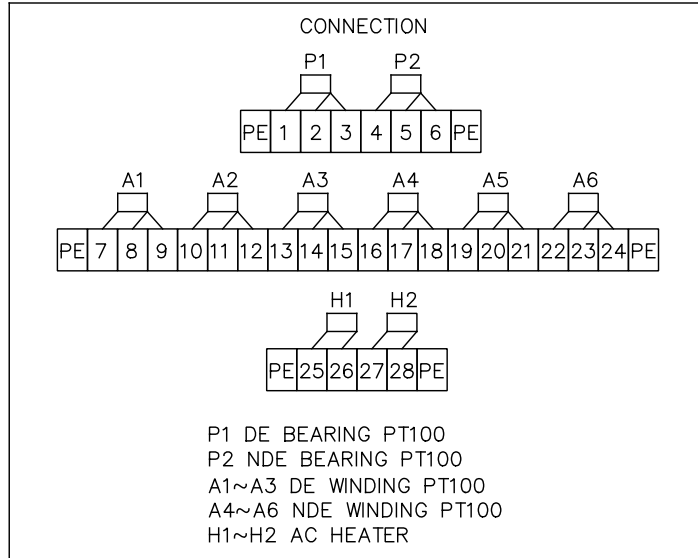
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.295 Ohms	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Assembly/Box Mounting	F2 ONLY
Outline Drawing	I18030902-Z	Connection Drawing	EE7300PM

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THREE PHASE-SINGLE VOLTAGE
MOTOR OR INDUCTION GENERATOR
WITH 6 RTD'S, 2 PER PHASE MARKED
A1 THRU A6, AND 2 BRG. RTD'S,
MARKED P1 AND P2, AND 2 SPACE HEATERS,
MARKED H1 AND H2.

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

NOTE:
WHEN MORE THAN ONE
HEATER IS USED, HEATERS
MUST BE CONNECTED
IN PARALLEL.



				TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION	DRAWN WGJ 08-11-2016		
				DEC.	INCHES		CHK		
				.X	±.1	TITLE CONNECTION DIAGRAM SINGLE VOLT - 3Ø MOTOR	APPD AB 08-11-2016	SCALE 1=1	
B	REVD A1-A3 DE WINDING-WAS PT1000 ECO-0122465	WGJ 4/24/2017	AB	.XXX	±.005		REF		
A	RELEASE FOR PRODUCTION ECO-0114079	WGJ 8/11/2016	AB	.XXXX	±.0005		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"		FINISH	PREV	
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				DIST					

Data Sheet

Date: 10/4/2023
 Customer: _____
 Attention: _____
 Submitted by: RAMYA



400VFC7028

Submittal

Data @ 4000 V

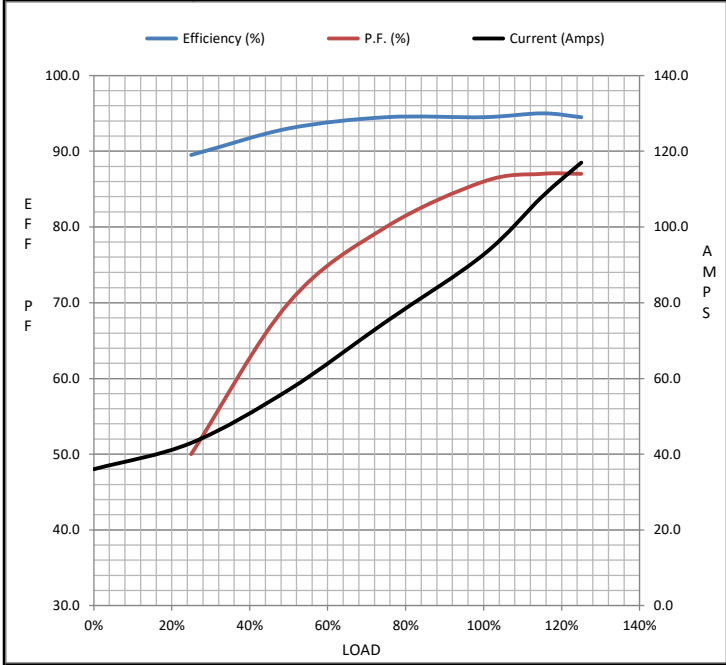
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	36.0	43.0	57.0	75.0	92.7	108	117	605
Torque (ft-lb)	0.00	512	1,025	1,540	2,057	2,368	2,578	1,650
RPM	1800	1796	1794	1790	1788	1,786	1784	0
Efficiency (%)		89.5	93.0	94.5	94.5	95.0	94.5	
P.F. (%)	6.5	50.0	70.0	80.0	86.0	87.0	87.0	20.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1750	1788	1800
Current (Amps)	605	525	350	92.7	36.0
Torque (ft-lb)	1,650	1,600	4,115	2,057	0.00

Information Block				
HP	700.0			
Sync. RPM	1800			
Frame	400			
Enclosure	TEFC			
Construction	TFC			
Voltage	4000 V			
Frequency	60 Hz			
Design	NO DESIGN CODE			
LR Code letter	G			
Service Factor	1			
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	CHV400040024 NONE			
Sound Pressure @ 1M	89 dBA			
VFD Rating	NONE			
Outline Dwg	I18030902-Z			
Conn. Diag	EE7300PM			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.2760	0.1720	2.8190	2.3900	61.8930



Speed - Torque Curve

