

PRODUCT INFORMATION PACKET



Model No: 170232.60
Catalog No: 170232.60
40 HP Special Voltage Motor, 3 phase, 3600 RPM, 575 V, 324TS Frame, TEFC
Special Voltage Motors



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Nameplate Specifications

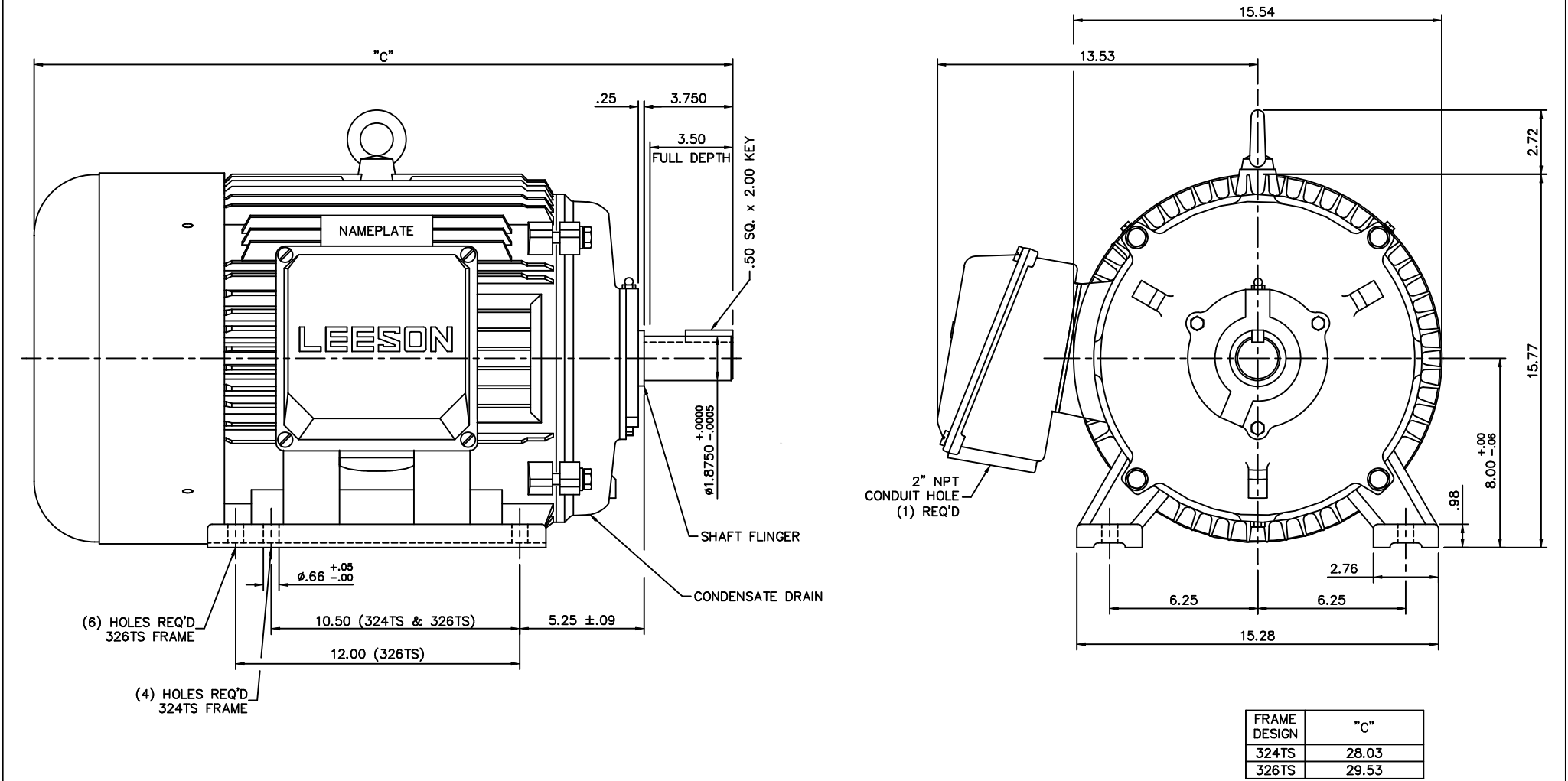
Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	575 V
Current	35.8 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	324TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.233 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	28.03 in
Shaft Diameter	1.875 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1 ONLY	Inverter Load	CONSTANT 10:1
Connection Drawing	005190.01	Outline Drawing	16954260-324TS

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	169542-60
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				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION				
				DECIMALS						
				.00	± .06	DRAWN JJK 03/29/99	TITLE OUTLINE – 320TS FRAME			
				.000	± .005	CH'K'D.	TEFC – RIGID			
01	ADDED HOLES FOR 326TS BASE		JJK	07/15/99	.0000	± .0005	APPR. PG 03/31/99	MAT'L CAST IRON		
NO.	REVISION		BY	DATE	FRACTIONS	± 1/64	SCALE 1=4			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED					ANGLES	± 1/2"	REF. 169504	FINISH	SIZE B	DRAWING NO. 169542-60
					INCH/MM		FMF			

005190-01



A diagram of a multi-ported device, represented by a vertical rectangle. On the left side, there are six ports labeled 'C'. On the right side, there are six ports labeled 'T1 U1', 'T2 V1', 'T3 W1', 'T4 U2', 'T5 V2', and 'T6 W2' from top to bottom. A curved line is drawn across the middle of the device, separating the 'C' ports from the 'T' and 'U/V/W' ports.



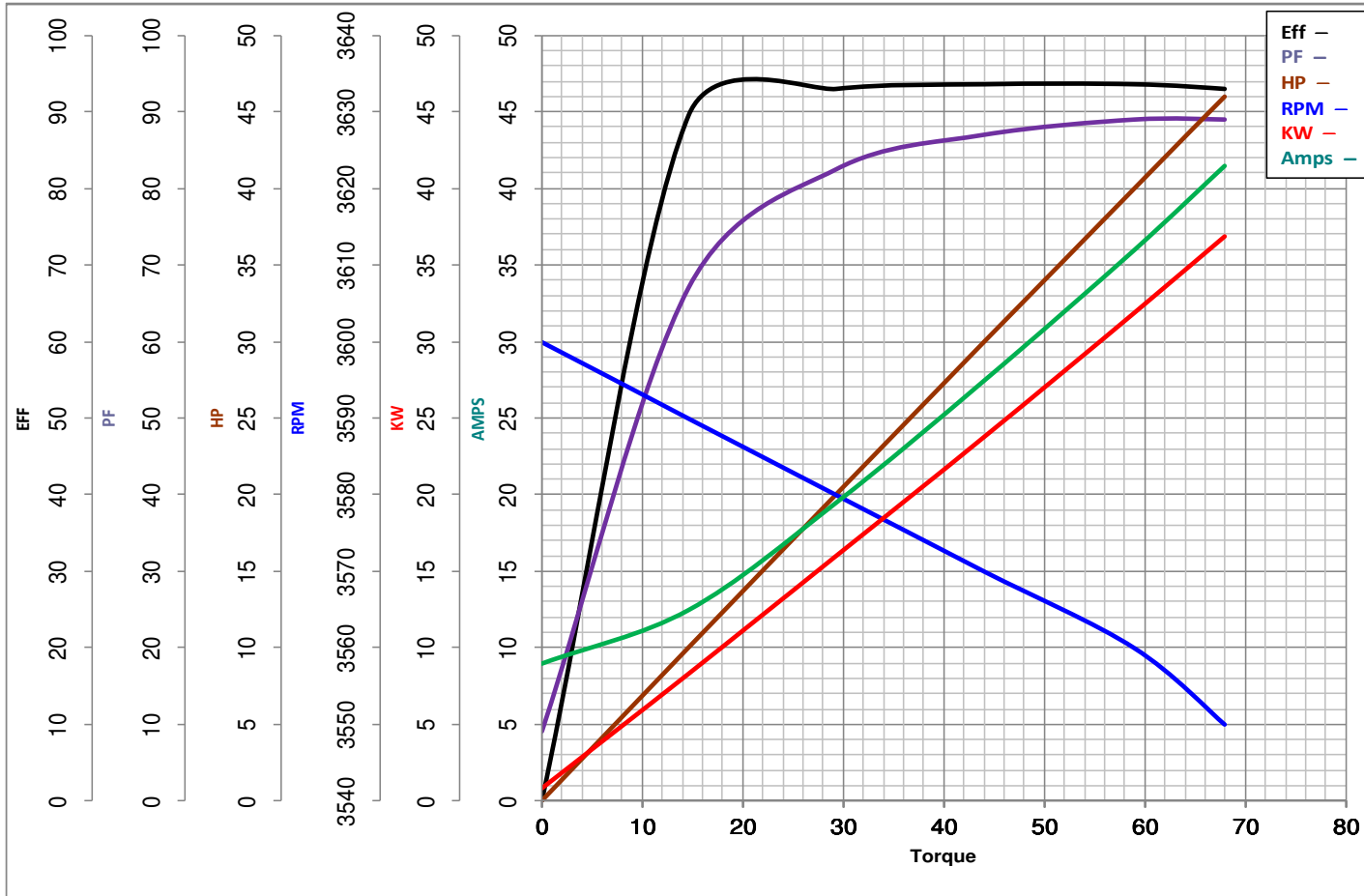
	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION			
04	ADDED MAT'L (CWLE) PER ECO-0168542	DS	6/10/2019	DECIMALS					
03	ADDED IEC DESIGNATIONS	MOL	4/27/2012	.00	± .01	DRAWN PG 05/07/82	TITLE EXT. WIRING DIAGRAM STAR START – DELTA RUN		
02	REMOVED OBSOLETE STATUS	KJH	6/28/99	.000	± .005	CH'K'D. TEM			
01	REDRAWN ON CAD	DBT	05/30/97	.0000	± .0005	APPR. 05/07/82	MAT'L. Y-CONNECTED START (CWLE) DELTA CONNECTED RUN – SINGLE VOLTAGE		
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=1			
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				INCH/MM		FMF ELECTRO POWER			



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 170232.60Catalog No 170232.60Curve at 575
60
40Volts
HZ
HPHP 40.00VOLTS 575HZ 60PHASE 3RPM 3560

Torque in Lb.Ft

FL TORQUE 59 Lb.Ft
 BD TORQUE 16.2 Lb.Ft
 LR TORQUE 121.5 Lb.Ft

FL AMPS 35.8
 PU TORQUE 103.0 Lb.Ft
 LR AMPS 236

WINDING T16102016

Date 4/2/2019