

PRODUCT INFORMATION PACKET

Model No: E101520.00

Catalog No: E101520.00

General Purpose Motor, 0.33 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, S56 Frame, DP



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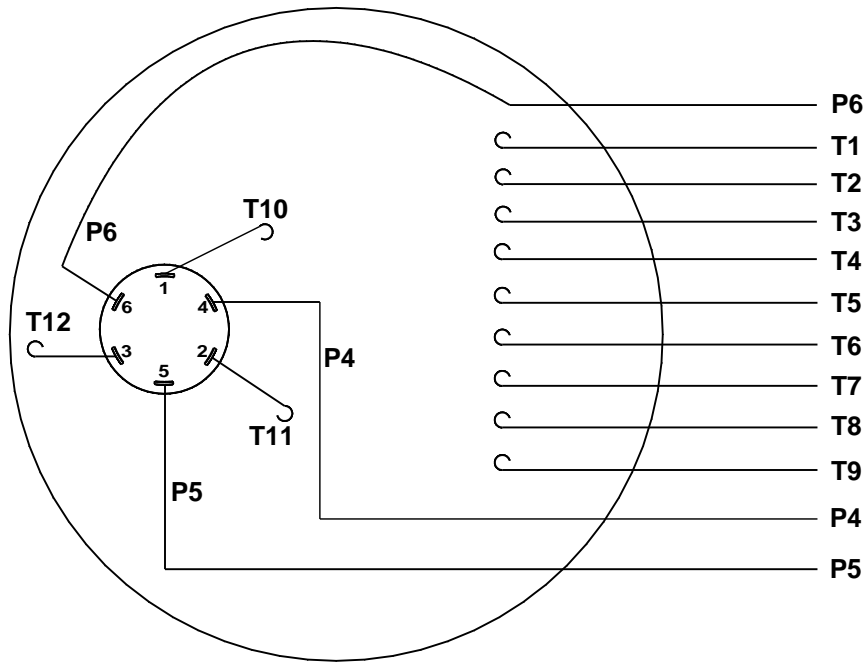
Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	230/460 V
Current	1.2/0.60 A	Speed	1725 rpm
Service Factor	1.35	Phase	3
Efficiency	73.4 %	Power Factor	70.6
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	M
Frame	S56	Enclosure	Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	12
Number of Speeds	1		

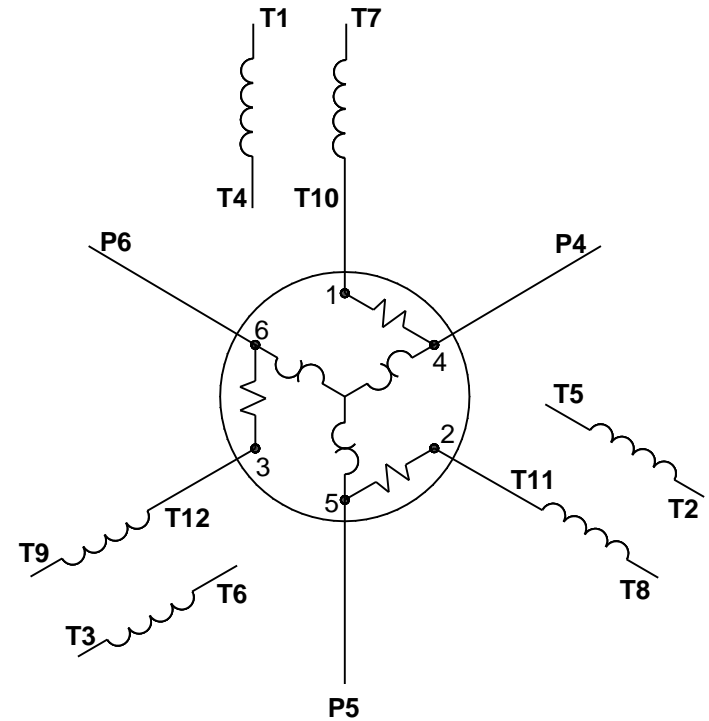
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	20.8 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	12.31 in
Frame Length	7.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS404230-750	Connection Drawing	005020.01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN	SEPARATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)	(P4), (P5), (P6)
LOW	T1, T7	T2, T8	T3, T9	(T4, P4) (T5, P5) (T6, P6)	

DRAWING REVISION D REVISION BY SM DATE 9/26/2016

ECO ECO-0109970 APPROVED BY SM DATE 9/26/2016

ECO DESCRIPTION UPDATED TO NEW TEMPLATE

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125/ INCH 3.2/ mm

mm SHOWN IN [BRACKETS]

DRAWN BY ADH 02/25/74

DATE

APPROVED BY JCW 03/11/74

DATE

REFERENCE

THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL
TYPE "T" W/PROTECTOR

MATERIAL DECAL - 004023 PROCESS/FINISH ECO LAB

SIZE A DRAWING NUMBER 00502001 SHEET 1 OF 1

P.O. BOX 8003
 WAUSAU, WI 54401-8003
 PH. 715-675-3311



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM 005020.01
 OUTLINE: A-SS404230-750
 WINDING: TE484125

CAT #: E101520.00

NONE 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.33	0.25	1800	1745	S56	DP	TDR	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	1.2/6	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	73.4	3/4 LD EFF	71.2	1/2 LD EFF	62.4	GTD EFF	ELECT. TYPE
F.L. PF	70.6	3/4 LD PF	62.5	1/2 LD PF	52.3	0.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
261 LB-FT	4.5	1,146 LB-FT 439%	1,258 LB-FT 482%	25

PRESSURE @	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 dBA	1008 dBA	0.00 LB-FT ²	0 LB-FT ²	0 SEC.	0	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	SILENT BA	HORIZONTAL	NO	NONE	NO	NONE	IN - LEESON WATTS

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE	
	ENCODER: NONE NONE NONE	
	NONE PPR	
	BRAKE: NONE NONE	

DATE: 1/31/2018	NONE NONE FT-LB: NA VOLTAGE: NONE UL: Y-(LEESON UL REC)
	HZ:

Data Sheet

Date: 1/31/2018

E101520.00



Data @ 460 V

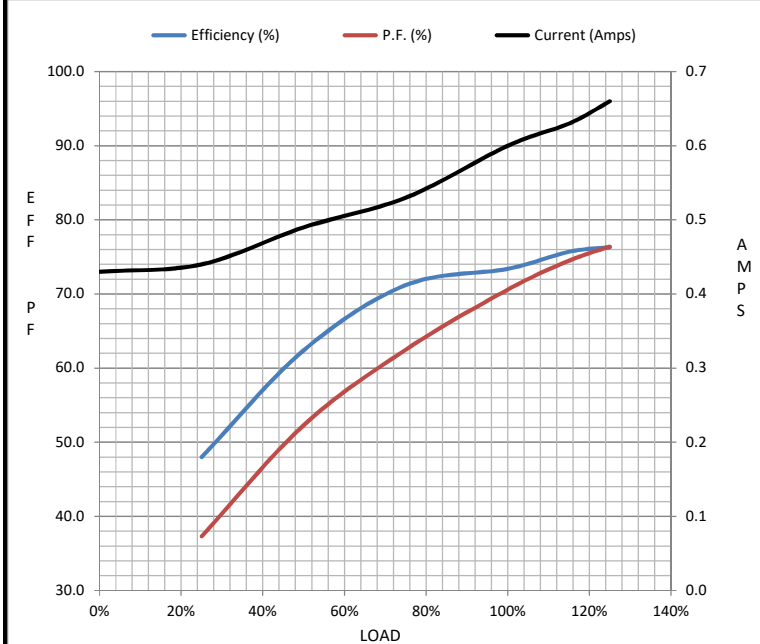
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.43	0.44	0.49	0.53	0.60	0.63	0.66	4.5	
Torque (ft-lb)	0.00	64.8	130	196	261	300	326	1,146	
RPM	1800	1780	1770	1760	1745	1,735	1730	0	
Efficiency (%)		48.0	62.4	71.2	73.4	75.7	76.3		
P.F. (%)	20.4	37.3	52.3	62.5	70.6	74.5	76.4	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1440	1745	1800
Current (Amps)	4.5	4.2	2.10	0.60	0.43
Torque (ft-lb)	1,146	1,042	1,258	261	0.00

Information Block				
HP	0.3			
Sync. RPM	1800			
Frame	48			
Enclosure	DP			
Construction	TDR			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	25 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	TE484125 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS404230-750			
Conn. Diag	005020.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

