

PRODUCT INFORMATION PACKET



Model No: 119529.00
Catalog No: 119529.00
2 HP Washdown Motor, 3 phase, 1800 RPM, 230/460 V, 56C Frame, TEFC
Paint Free NEMA Washdown Motors



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Nameplate Specifications

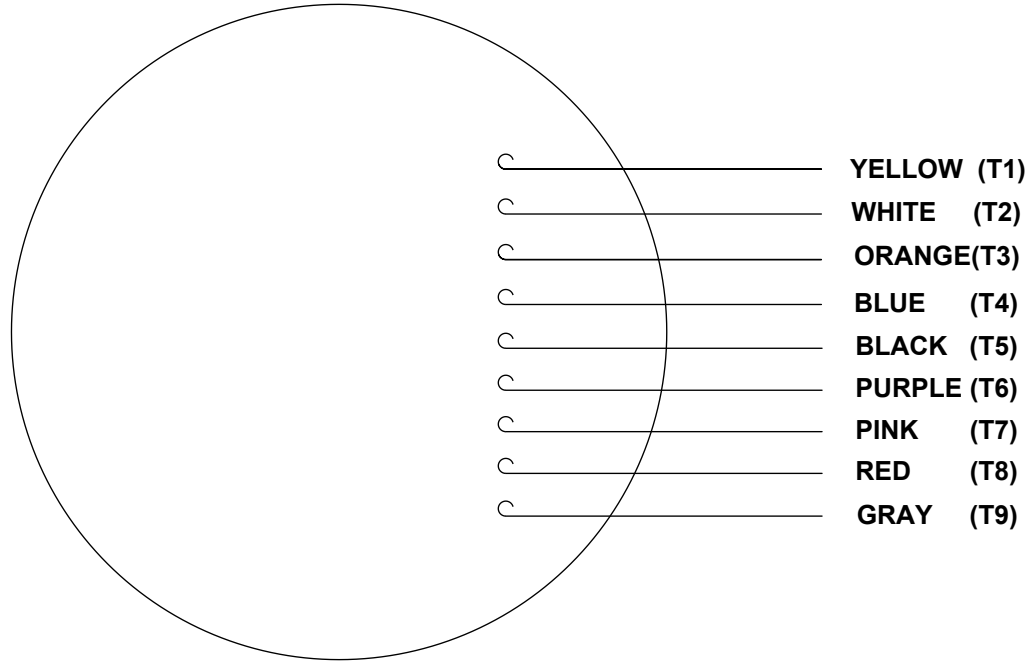
Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.8/2.9 A	Speed	1745 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	75.6
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	69

Technical Specifications

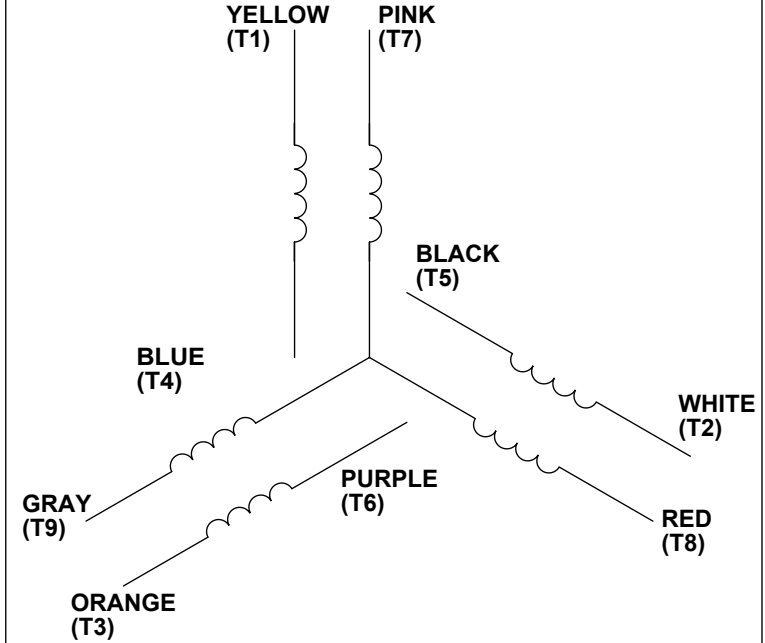
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	6 Ohms	Mounting	Rigid base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	13.19 in
Frame Length	8.25 in	Shaft Diameter	0.625 in
Shaft Extension	2.07 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.52	Outline Drawing	607-0398-825

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

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DRAWING REVISION C	REVISION BY PVR	DATE 04/23/14	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWN BY LST	Regal Beloit America, Inc.
ECO ECO-0049985	APPROVED BY JD	DATE 04/23/14	DEC. ± 0.1 [±2.5]	INCH ± 0.01 [±0.25]	DATE 4/3/14	
ECO DESCRIPTION UPDATED PER ECO-0049985			ANGLE $\pm 0.5^\circ$	XXX ± 0.005 [±0.127]	APPROVED BY	DESCRIPTION LEAD ASSY EXT. WIRING DIA. 3 PH. W/O PROT.
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			EDGES: .003/.015 [.076/.381]	CORNER FILLETS: .02 [.51]	MACHINED SURFACES: $\frac{125}{\text{INCH}} \sqrt{\frac{3.2}{\text{mm}}}$	PROCESS/FINISH
			mm SHOWN IN [BRACKETS]			SHEET 1 OF 1



1051 CHEYENNE AVE.
 GRAFTON, WI 53024
 PH. 262-277-8810

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.52
 OUTLINE: 028896-825
 WINDING: T634340

CAT #: 119529.00

FR 11

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
2	1.5	1800	1751	56C	TEFC	TFR	L	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	6/3&5;55/2/75	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF	86.5	3/4 LD EFF	85.6	1/2 LD EFF	83.4	GTD EFF	84.0	ELECT. TYPE	
F.L. PF	75.6	3/4 LD PF	64.0	1/2 LD PF	51.9	SQ CAGE INV RATED			

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	18.8 LB-FT	313%	24.6 LB-FT	410%	53	F.L. RISE (° C)	
6.0 LB-FT	26.5	ROTOR WK²	0.16 LB-FT²	MAX. LOAD WK²	0 LB-FT²	SAFE STALL TIME	10 SEC.	STARTS/HOUR	3
PRESSURE @ 3	74 DBA	POWER	0.16 LB-FT²	0	10 LB-FT²	SEC.	3	MOTOR WGT	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	WATTS/SAVER
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE ODE								
BALL BALL								
6205 6205	POLYREX EM	STANDARD 56	56T	56T	303 STAINLESS (C-501)		STAINLESS STEEL	

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	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	0.080	NONE

* N O T E S *		INVERTER TORQUE: VARIABLE 10:1	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: N/A	
		VOLTAGE: NONE	
		UL: Y-(LEESON UL REC)	

DATE: 9/6/2018	
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Motor Load Data

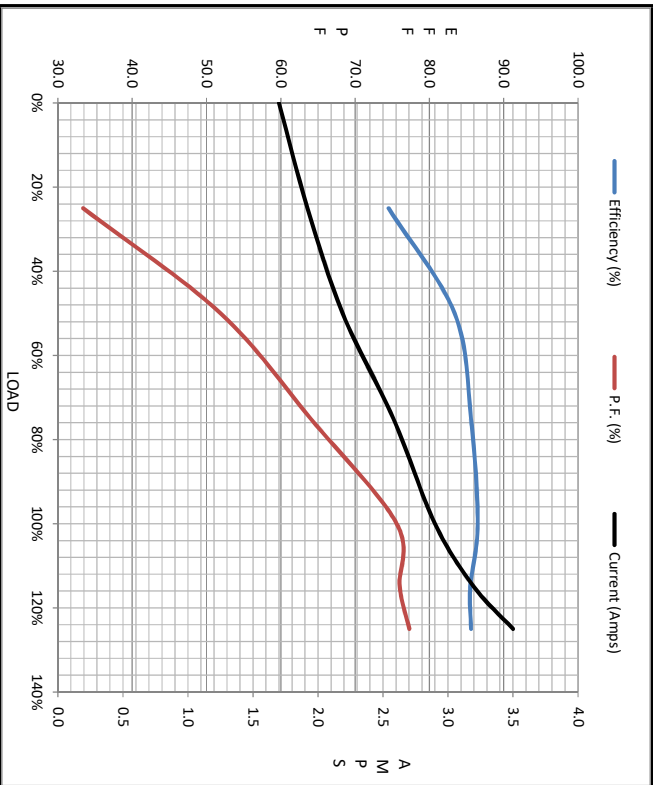
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	1.92	2.19	2.58	2.90	3.2	3.5	26.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.5	7.5	18.8
RPM	1800	1787	1774	1753	1751	1,730	1732	0
Efficiency (%)		74.5	83.4	85.6	86.5	85.5	85.6	
P.F. (%)	7.1	33.4	51.9	64.0	75.6	76.0	77.3	42.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	775	1085	1751	1800
Current (Amps)	26.5	24.4	14.2	2.90	1.70
Torque (ft-lb)	18.8	15.0	24.6	6.0	0.00

Information Block

HP	2.0
Sync. RPM	1800
Frame	140
Enclosure	TEFC
Construction	TFR
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	53 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	0.16 Lb-Ft ²
Ref Wdg	T634340 FR
Sound Pressure @ 1M	65 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	028896-825
Conn. Diag	005010.52
Additional Specifications:	
0	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	
0.0000	



Speed -Torque Curve

