

# PRODUCT INFORMATION PACKET



Model No: LM17382

Catalog No: LM17382

30 HP General Purpose Motor, 3 phase, 3600 RPM, 230/460 V, 284TSC Frame, ODP  
Three Phase ODP Motors



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REGAL



### Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	67.0/33.5 A	Speed	3535 rpm
Service Factor	1.25	Phase	3
Efficiency	93 %	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	284TSC	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	310	Opp Drive End Bearing Size	209
UL	Recognized	CSA	Y
CE	Y	IP Code	12

### Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.235 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	TS	Overall Length	21.78 in
Frame Length	12.98 in	Shaft Diameter	1.625 in
Shaft Extension	3.25 in	Assembly/Box Mounting	F1/F2 CAPABLE

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T12 \_\_\_\_\_  
 T1 \_\_\_\_\_  
 T6 \_\_\_\_\_ L1  
 T7 \_\_\_\_\_

T2 \_\_\_\_\_  
 T4 \_\_\_\_\_ L2  
 T8 \_\_\_\_\_  
 T10 \_\_\_\_\_

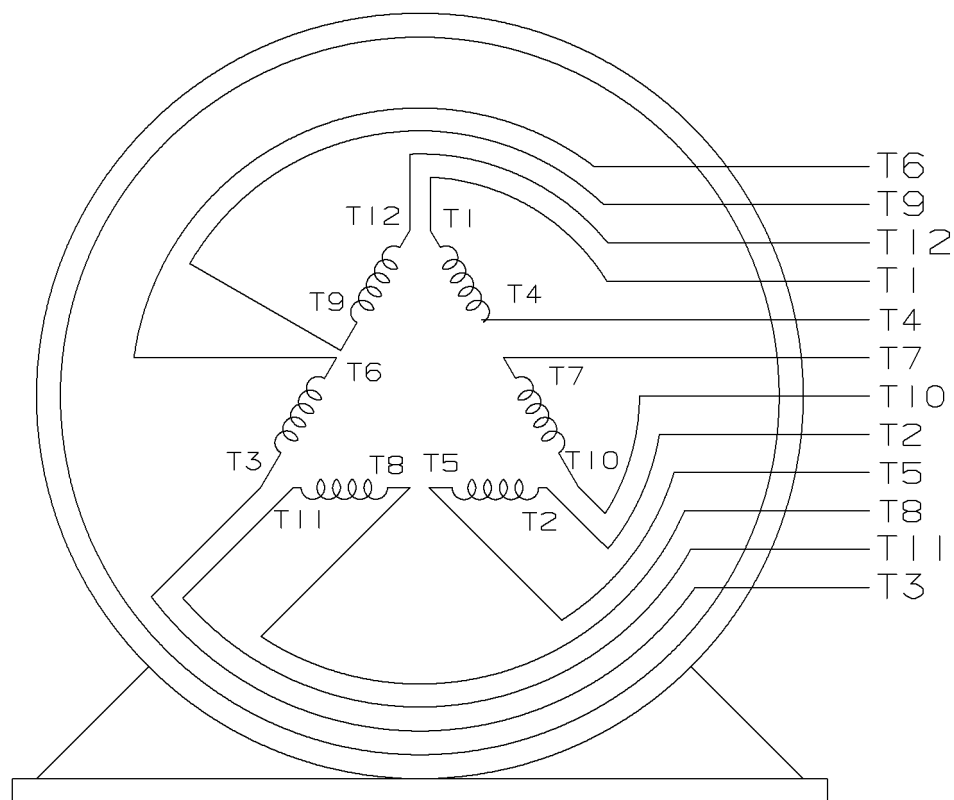
T3 \_\_\_\_\_  
 T5 \_\_\_\_\_ L3  
 T9 \_\_\_\_\_  
 T11 \_\_\_\_\_

LOW VOLTAGE

T12 \_\_\_\_\_ L1  
 T1 \_\_\_\_\_  
 T4 \_\_\_\_\_  
 T7 \_\_\_\_\_  
 T2 \_\_\_\_\_ L2  
 T10 \_\_\_\_\_

T5 \_\_\_\_\_  
 T8 \_\_\_\_\_  
 T3 \_\_\_\_\_ L3  
 T11 \_\_\_\_\_

T6 \_\_\_\_\_  
 T9 \_\_\_\_\_  
HIGH VOLTAGE



VIEW OF TERMINAL END

					✓ UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7°30"			
2	08-09-1999	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR		MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY TRB	07-16-1999
					FINISH		CHKD BY ML	06-18-1999
1	06-18-1999	NEW DRAWING	TRB		MATERIAL		APPD BY GK	06-18-1999
REV	DATE	CHANGE	NAME	PART NAME 3 PHASE CONNECTION DIAGRAM 2/1 DELTA - 12 LEADS				DRWG NO A- EE7308AA-LN
				PURCHASED	CADD FILE NO.	EE7308AALN		

ERROR: undefined  
OFFENDING COMMAND: Pscrip  
STACK:



**2100 WASHINGTON ST.  
GRAFTON, WI  
PH. 262-277-8810**

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** A-EE7308AA-LN

**OUTLINE:** XF2D1SC2-1298

CATALOG # : LM17382

**WINDING #:** L2842003 1

**MOUNTING:** F1/F2 CAPABLE

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
30825	22.4&18.7	3600	3535&2935	284TSC	DP	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&380-415	67/33.5&34-31	WYE START DELTA RUN	CONTINUOUS	F4	1.25/1.0	40

<b>FULL LOAD EFF:</b>	93&93	<b>3/4 LOAD EFF:</b>	93.6	<b>1/2 LOAD EFF:</b>	93.6	<b>GTD. EFF</b>	<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	91&90	<b>3/4 LOAD PF:</b>	89	<b>1/2 LOAD PF:</b>	85	91.7	SQ CAGE IND RUN
<b>F.L. TORQUE</b>	<b>LOCKED ROTOR AMPS</b>	<b>L.R. TORQUE</b>	<b>B.D. TORQUE</b>	<b>F.L. RISE°C</b>			
44.5 LB-FT	434 / 217	90 LB-FT	202 %	120 LB-FT	270 %	45	

<b>SOUND PRESSURE @ 3 FT.</b>	<b>SOUND POWER</b>	<b>ROTOR WK^2</b>	<b>MAX. WK^2</b>	<b>SAFE STALL TIME</b>	<b>STARTS / HOUR</b>	<b>APPROX. MOTOR WGT</b>
80 DBA	90 DBA	- LB-FT^2	- LB-FT^2	- SEC.	-	360 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
DE ODE								
BALL BALL	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL		
310	209							

THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs					
NONE	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS	

**\* INVERTER TORQUE:** NONE  
**INV. HP SPEED RANGE:** NONE

**\* ENCODER:** NONE  
NONE NONE  
NONE NONE PPR

**\* BRAKE:** NONE NONE  
NONE P/N NONE  
NONE NONE  
FT-LB V NONE HZ

**S**  
**E**  
**T**  
**O**  
**N**  
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Data Sheet

Date: 1/23/2018

LM17382



Data @ 460 V

Motor Load Data

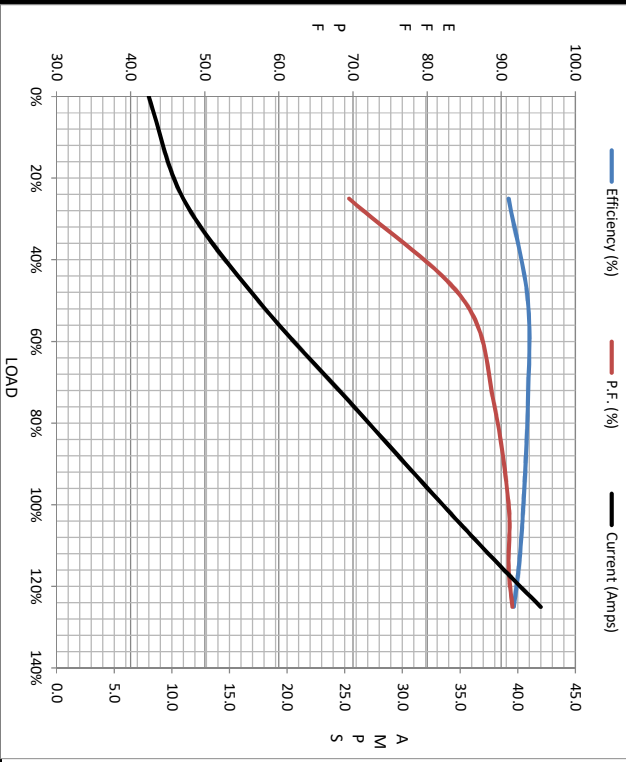
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	8.0	11.0	17.5	25.5	33.5	38.5	42.0	217
Torque (ft-lb)	0.00	11.0	22.0	33.5	44.5	51.5	56.0	90.0
RPM	3600	3585	3570	3555	3535	3525	3515	0
Efficiency (%)		91.0	93.6	93.6	93.0	92.4	91.7	
P.F. (%)	7.0	69.5	85.0	89.0	91.0	91.0	91.5	38.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3200	3535	3600
Current (Amps)	217	195	140	33.5	8.0
Torque (ft-lb)	90.0	75.0	120	44.5	0.00

Information Block

HP	30.0
Sync. RPM	3600
Frame	284
Enclosure	DP
Construction	TDR
Voltage	230/460#380-415 V
Frequency	60 Hz
Design	A
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	45 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.00 Lb-Ft²
Rel Wdg	L2842003 NONE
Sound Pressure @ 1M	80 dBA
VFD Rating	NONE
Outline Dwg	XF2D1SC2-1296
Conn. Diag	A-EET308AA-LN
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.1510	0.1420
X1	X2
0.3070	0.5760
Xm	31.2800



Speed - Torque Curve

