

PRODUCT INFORMATION PACKET



Model No: LM32789
Catalog No: LM32789
150 HP General Purpose Motor, 3 phase, 1800 RPM, 460 V, 444TSC Frame, ODP
Three Phase ODP Motors



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The Regal logo is located in the bottom right corner. It features the word "REGAL" in a white, sans-serif font, set against a dark gray, rectangular background with a slight 3D effect.



Nameplate Specifications

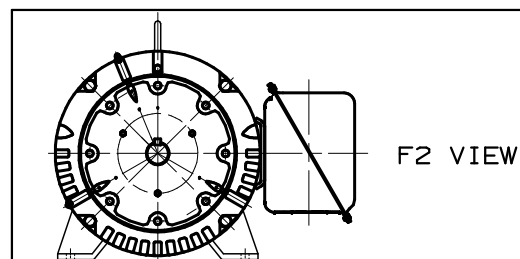
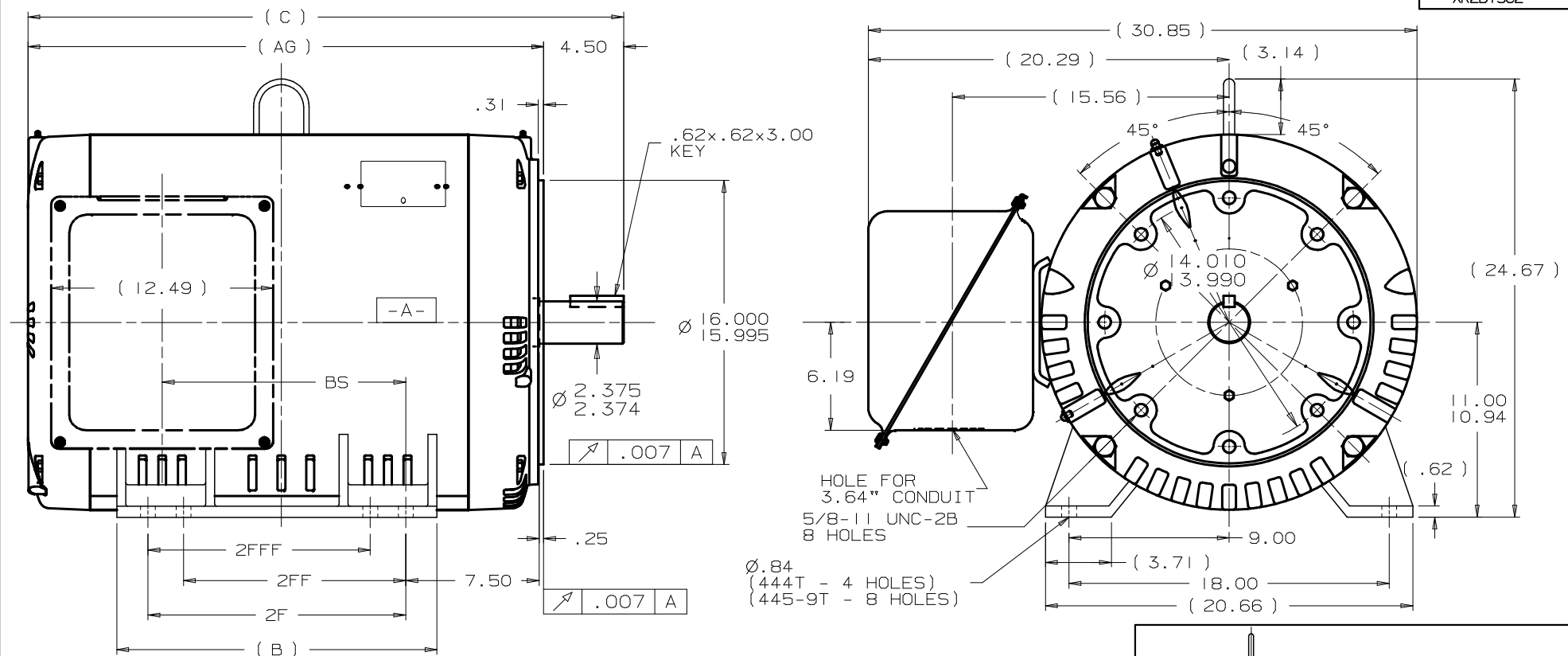
Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	170.0 A	Speed	1788 rpm
Service Factor	1.25	Phase	3
Efficiency	95.8 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	BC	KVA Code	G
Frame	444TSC	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	318	Opp Drive End Bearing Size	315
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.026 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	35.50 in
Frame Length	21.27 in	Shaft Diameter	2.375 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 CAPABLE

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XK2DISC2



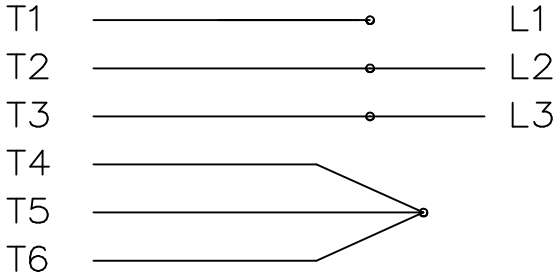
NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	AG	B	2F	2FF	2FFF	BS	REV	DATE	CHANGE	NAME	PART NAME	DRWS NO
2127	444TS	33.50	29.00	18.00	14.50	---	---	13.96	3	10-30-2001	ADDED 447 AND 449 FRAMES MU39294	DRS	440TS OPD UE	XK2DISC2
2327	445TS	35.50	31.00	20.00	16.50	14.50	14.50	15.96	2	10-28-2001	GEOMETRIC TOLERANCES WERE .004 SHOULD BE .007 CN 29200-2092	DRS		
2677	447TS	39.00	34.50	23.50	20.00	16.50	16.50	19.46	1	06-30-2001	NEW DRAWING REPLACES 3XSD122FCSK-1 CN 34258	TJB		
3177	449TS	44.00	39.50	28.50	25.00	20.00	20.00	23.71						

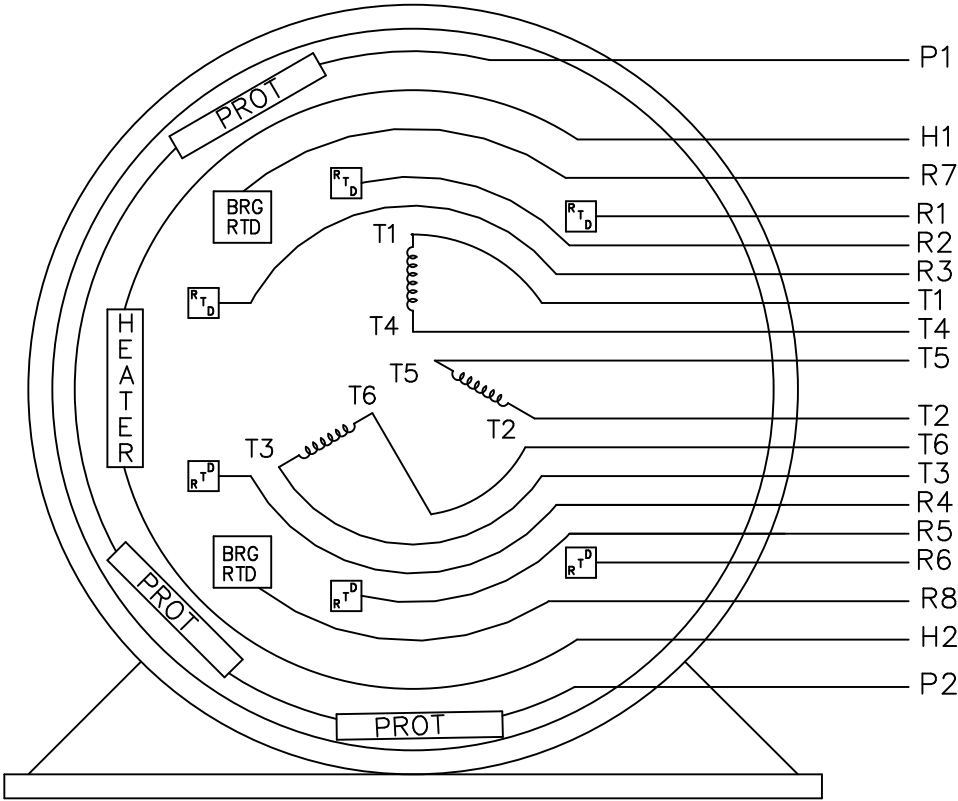
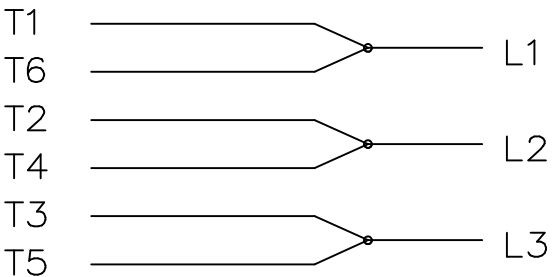
Lincoln MOTORS			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XXX+.03 XXX+.005 XXX+.005 ANGLES 7°30°		
MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED			DRAWN TJB 08-09-2001 CHKD BY ML 08-23-2001 APPD BY HNH 08-30-2001		
MATERIAL			DISTRIBUTION X - X - X - BY CADD FILE NO. XK2DISC2		

THREE PHASE – Y START
Δ RUN MOTOR


START



RUN



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN KL 07-21-2005			
				DEC.	INCHES		CHK ML 07-21-2005			
				.X	± -		APPD TB 07-21-2005			
				.XX	± -		SCALE 1=1			
				.XXX	± -		REF			
				.XXXX	± -	MAT'L.	FMF MU67384			
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH	PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP 07-21-2005		CAD FILE EE7340Z-LN		SIZE	DRAWING NO.	PAGE OF	REV.
			DIST WA-LB				A	EE7340Z-LN		



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7340-LN
OUTLINE: XK2D1SC2-2127
WINDING: L444012

NONE 1

CAT #: LM32789

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
150	112	1800	1788	444TSC	DP	TDR	G	BC	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	460#415	1708.191	NYE START DELTA RUN	CONT	F	1.15	40	3300
F.L. EFF	95.8		3/4 LD EFF	95.8	1/2 LD EFF	95.4	GTD EFF	ELECT. TYPE	
F.L. PF	86.0		3/4 LD PF	83.5	1/2 LD PF	77.0	95.0	SQ CAGE IND RUN	
F.L. TORQUE	LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (° C)		
441 LB-FT	1.085		885 LB-FT		1.025 LB-FT		232%		45
PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT		
999 dBA	1008 dBA		0.00 LB-FT²	0 LB-FT²	0 SEC.	0	0 LB.		

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP 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	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)		ROLLED STEEL	
318 315								

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	
0.019	0.011	0.174	0.206	5.216	0.150	ODE	

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		NONE PPR	

DATE: 9/10/2018	UL: V-INS, CONST UL REC	HZ:
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Data Sheet

Date: 9/10/2018

LM32789



Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	50.0	66.0	95.5	131	170	195	213	1,085
Torque (ft-lb)	0.00	110	220	330	441	507	552	885
RPM	1800	1797	1795	1790	1788	1,786	1784	0
Efficiency (%)		93.0	95.4	95.8	95.8	95.4	95.4	
P.F. (%)	4.0	57.0	77.0	83.5	86.0	86.0	86.5	30.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1730	1788	1800
Current (Amps)	1,085	1,035	750	170	50.0
Torque (ft-lb)	885	800	1,025	441	0.00

Information Block	
HP	150.0
Sync. RPM	1800
Frame	444
Enclosure	DP
Construction	TDR
Voltage	480#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
Ref Wdg	L4444012 NONE
Sound Pressure @ 1M	999 dBA

Frame		444
Enclosure		DP
Construction		TDR
Voltage		460#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
Ref Wdg		L4444012 NONE
Sound Pressure @ 1M		999 dBA
VFD Rating		NONE
Outline Dwg		XK2D1SC2-2127
Conn. Diag		A-EE7340-1N
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0190	0.0110	0.1740	0.2060	5.2160

Speed -Torque Curve

