MK Diamond Products, Inc. 1315 Storm Parkway Torrance, CA 90509-2803

SPECIFICATION SHEET						
	Number 0063	MK Description MTR, 15HP, 230V/3PH	, 1800RPM C-FACE W/BASE		Revision -	
	587.00	Manufacturer Description MOTOR, 15 HP			l	
Manufac LESSO	cturer Informa ON	tion	Vendor Information SIERRA INDUSTRIAL ENGINEERING	Alternate Manufactur Or Equivalent		
Specifi	ications:					
See fol Baldor	· CEM2333	ges for specs				
Rev			escription	Date	Approved	
-		INITIAL RE	LEASE, ECO#2009	6/18/12	RMR	

REV: 10/10

ELECTRIC MOTORS, GEARMOTORS AND DRIVES

Product Quick Search
Catalog # or Model #

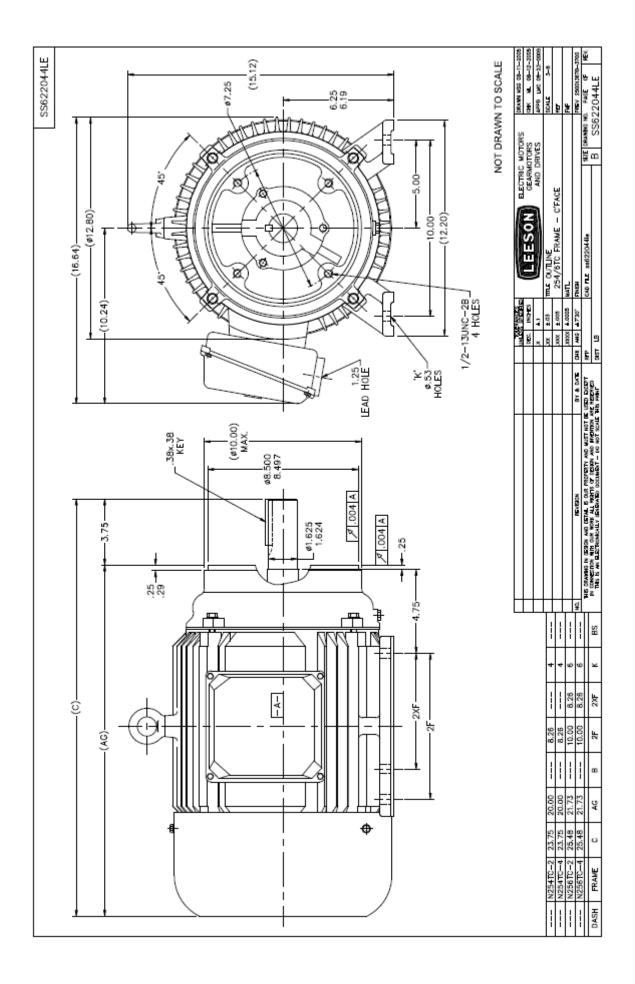
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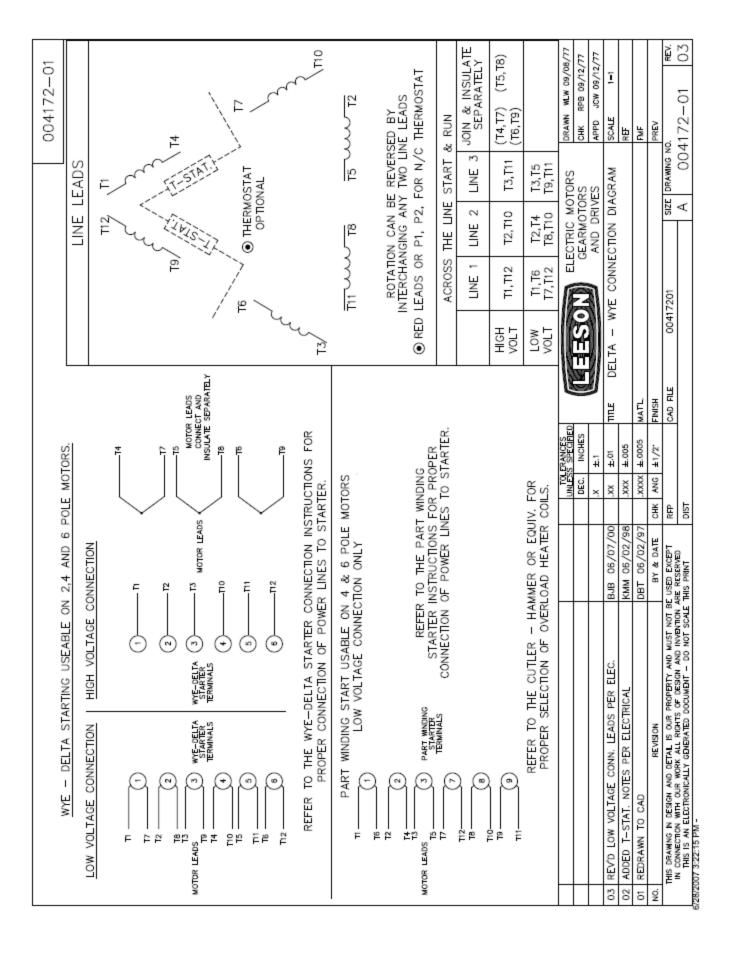
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Product Features

List Price : -					Contact Sales Of
•	Catalog No 171587.00		Model	C254T17FK8A	
Pr	oduct type AC MOTOR		Stock	Stock	
	Description 15 HP 1800 230	0/460 TEFC 254TC	:		
formation shown is for c	urrent motor's design				View Outline View Connect
Engineering Data					
Volts	208-230	Volts	460		Volts 190/380
F.L. Amps	40-37	F.L. Amps	18.5		F.L. Amps 30.5/15.3
S. F Amps	46-42	S. F Amps	21		S. F Amps 34.5/17.3
RPM	1800	Hertz	60		
HP	15	Duty	CONTINUOUS		TYPE TFC
KW	11.2				
Frame	254TC	Serv. Factor	1.15		Phase 3
Max Amb	40	Design	В		Code H
Insul Class	F	Protection	NOT		Therm.Prot.
Eff 100%	92.4	Eff 75%			PF 82.5
UI	Y-(LEESON UL REC)	CSA	Yes		Bearing OPE 6308
CC Number	CC005A	CE	Yes		Bearing PE 6309
Load Type		Inverter Type			Speed Range NONE
RPM	1500	Hertz	50		
HP	10	Duty	CONTINUOUS		TYPE TFC
KW	7.5				
Frame	254TC	Serv. Factor	1.15		Phase 3
Max Amb	40	Design	В		Code H
Insul Class	F	Protection	NOT		Therm.Prot.
Eff 100%	92.4	Eff 75%			PF 80
	Y-(LEESON UL REC)	CSA	Yes		Bearing OPE 6308
CC Number	CC005A	CE	Yes		Bearing PE 6309
Load Type		Inverter Type			Speed Range NONE
Motor Wt.	284 LB	Enclosure	TEFC		Lubrication POLYREX EM
Managalata	B-93458-E-LN- FHKLR-A-A-B	Mounting	RIGID		Rotation REV
Assembly		Shaft Dia.			Ext. Diag. 00417203
Cust Part No		Outline	SS622044LE		Ext. Diag2

	Packaging N	1					Winding 1	Γ12904005
С	Carton Label						GROUP: 3	3
	lris			Paint	GREEN - LEESON WATTSAVER	ı	Test Card	
F	Form Factor			RMS Amps		Co	nst Torque Speed Range	
	Torque			Peak				
	AB Code			Peak@DegC				
	Resistance							
	Connection							
Rev	work Status			Rework TYPE				
Haz	zardous Loc D	DIVISION 2					Brake Motors	
Expl	losion Proof			Temp Op Code			FORCE	
	Class			GROUP:			VDC	
	Class			GROUP:		В.	ADC	
_						Вгаке	Coil OHMs @25 C	
Performan								
T	Torque UOM			Inertia (WK²)				
	Torque ENT (amps) fficiency (%)							
P	PowerFactor							
Load Curve	e Data @60	/50 Hz, 46	0 Volts, 15 H	lorsepower				
Load	Amps	KW	RPM	Torque	EFF	PF	Rise By Resis	Frame Rise
0.0	8.0	0.38	1800	0.0	0.0	6.0	0.0	-
0.25	9.3	3.2	1794	11.0	86.5	43.5	0.0	-
0.5	11.5	6.1	1788	22.0	91.7	67.5	0.0	-
0.75	14.6	9.1	1780	33.2	92.4	78.0	0.0	-
1.0	18.5	12.1	1775	44.4	92.4	82.5	45.0	-
1.15	21.0	14.0	1770	51.3	91.7	84.0	60.0	-
1.25	22.5	15.2	1765	55.7	91.7	84.5	0.0	-
1.5	27.1	18.42	1760	67.2	91.0	85.5	0.0	-
							SOURCE: CALC	JLATED GROUP: 3







BALDOR · RELIANCE II

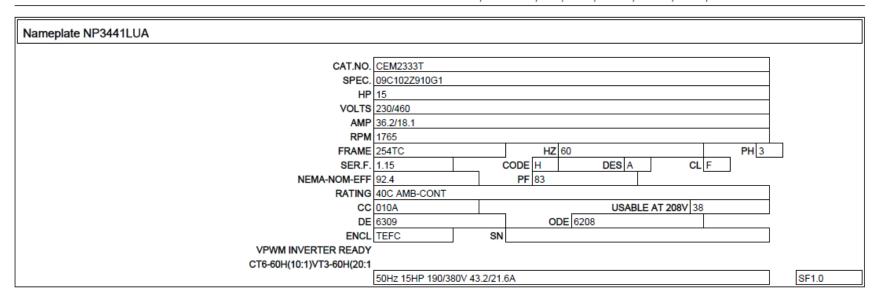
Product Information Packet

CEM2333T

15HP,1765RPM,3PH,60HZ,254TC,0944M,TEFC,F

BALDOR • RELIANCE Product Information Packet: CEM2333T - 15HP,1765RPM,3PH,60HZ,254TC,0944M,TEFC,F

Part Detail								
Revision:	H Status: PRD/A Change #:					Proprietary:	No	
Type:	AC	Prod. Type:	0944M	Elec. Spec:	09WGZ910	CD Diagram:	CD0005	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09C102	Layout:	09LYC102	
Frame:	254TC	Mounting:	F1	Poles:	04	Created Date:	11-09-2012	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-06-2016	
Leads:	9#12		Replaced By:					
Literature:		Elec. Diagram:						



Parts List						
Part Number	Description	Quantity				
SA254029	SA 09C102Z910G1	1.000 EA				
RA240840	RA 09C102Z910G1	1.000 EA				
S/P107-000-005	SUPER-E PROC'S(254/6 FR.) ZK PLANT - POL	1.000 EA				
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLCKWASHER	1.000 EA				
09CB3002	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA				
09GS1000	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA				
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA				
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA				
09EP1300A155	PUEP MACH W/309 BRG & "O" DRAIN, SLINGER	1.000 EA				
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 EA				
WD1000B17	T&B CX35TN TERMINAL	1.000 EA				
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA				
09EP1100A194	ENDPLATE, MACH	1.000 EA				
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA				
XY3816A12	3/8-16 FINISHED NUT	4.000 EA				
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA				
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA				
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA				
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA				
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA				
HA3113A02	THRUBOLT 3/8-16 X 16.750	4.000 EA				
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA				
HA2081A05	SPACER TUBE, 309 FAN HSG, 2.00 LONG	4.000 EA				
XY3816A12	3/8-16 FINISHED NUT	4.000 EA				

Parts List (continued) Part Number Description Quantity HW1001A38 LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I 4.000 EA 09CB3501 1.000 EA CONDUIT BOX LID FOR 09CB3001 & 09CB3002 09GS1013 09 GS FOR 09CB3501 LID - LEXIDE 1.000 EA 51XW2520A12 .25-20 X .75. TAPTITE II. HEX WSHR SLTD 2.000 EA HW2501G25 KEY, 3/8 SQ X 2.875 1.000 EA LB1115N LABEL, LIFTING DEVICE (ON ROLLS) 1.000 EA MN416A01 1.000 EA TAG-INSTAL-MAINT no wire (1200/bx) 11/14 HW4500A05 1669B ALEM/UNIV860 GR FTG X 1.000 EA HW4500A17 317400 ALEMITE GREASE RELIEF 1.000 EA HA4066A01 PUSH IN T-DRAIN FITTING (BLACK) 1.000 EA MJ1000A02 0.080 LB GREASE, POLYREX EM EXXON (USe 4824-15A) HA4051A00 PLASTIC CAP FOR GREASE FITTING 1.000 EA HA4051A00 PLASTIC CAP FOR GREASE FITTING 1.000 EA HW4500A03 1.000 EA GREASE FITTING, .125 NPT 1610(ALEMITE) 8 HW4500A17 317400 ALEMITE GREASE RELIEF 1.000 EA HA4066A01 PUSH IN T-DRAIN FITTING (BLACK) 1.000 EA 09FH4000SP FAN COVER, STAMPED 1.000 EA 09FN3001D01 EXTERNAL FAN, PLASTIC 1.000 EA HW2500A25 WOODRUFF KEY USA #1008 #BLOW CARBON STEE 1.000 EA 51XB1214A20 12-14X1.25 HXWSSLD SERTYB 1.000 EA MG1000Y03 0.050 GA MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20, 2.000 EA 85XU0407S04 4X1/4 U DRIVE PIN STAINLESS LC0005E02 SPL CONN.DIA./WARN.LABEL(LC0005/LB1119) 1.000 EA NP3441LUA ALUM SUPER-E VPWM INV READY UL 1.000 EA

Product Information Packet: CEM2333T - 15HP,1765RPM,3PH,60HZ,254TC,0944M,TEFC,F

09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 EA

AC Induction Motor Performance Data

Record # 40347 - Typical performance - not guaranteed values

Winding: 09WGZ910-R001	Type: 0944M	Enclosure: TEFC
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Nameplate Data							
Rated Output (HP)		15					
Volts		230/460					
Full Load Amps		36.2/18.1					
R.P.M.	1765						
Hz	60	Phase	3				
NEMA Design Code	ign Code A KVA Code		Н				
Service Factor (S.F.)	1.15						
NEMA Nom. Eff.	92.4	Power Factor	83				
Rating - Duty		40C AMB-CONT					
S.F. Amps							

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	44.5 LB-FT
Start Configuration	direct on line
Breakdown Torque	153 LB-FT
Pull-up Torque	69.5 LB-FT
Locked-rotor Torque	86.5 LB-FT
Starting Current	127 A
No-load Current	7.56 A
Line-line Res. @ 25°C	0.59555 Ω
Temp. Rise @ Rated Load	54°C
Temp. Rise @ S.F. Load	67°C
Rotor inertia	1.92 LB-FT2

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	69	79	83	85	87	84
Efficiency	88.2	92.2	92.7	92.4	91.5	90.4	91.9
Speed	1791.3	1783.1	1774	1765.2	1754.6	1743.1	1759
Line amperes	8.62	11	14.5	18.1	22.6	26.9	20.8

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values

