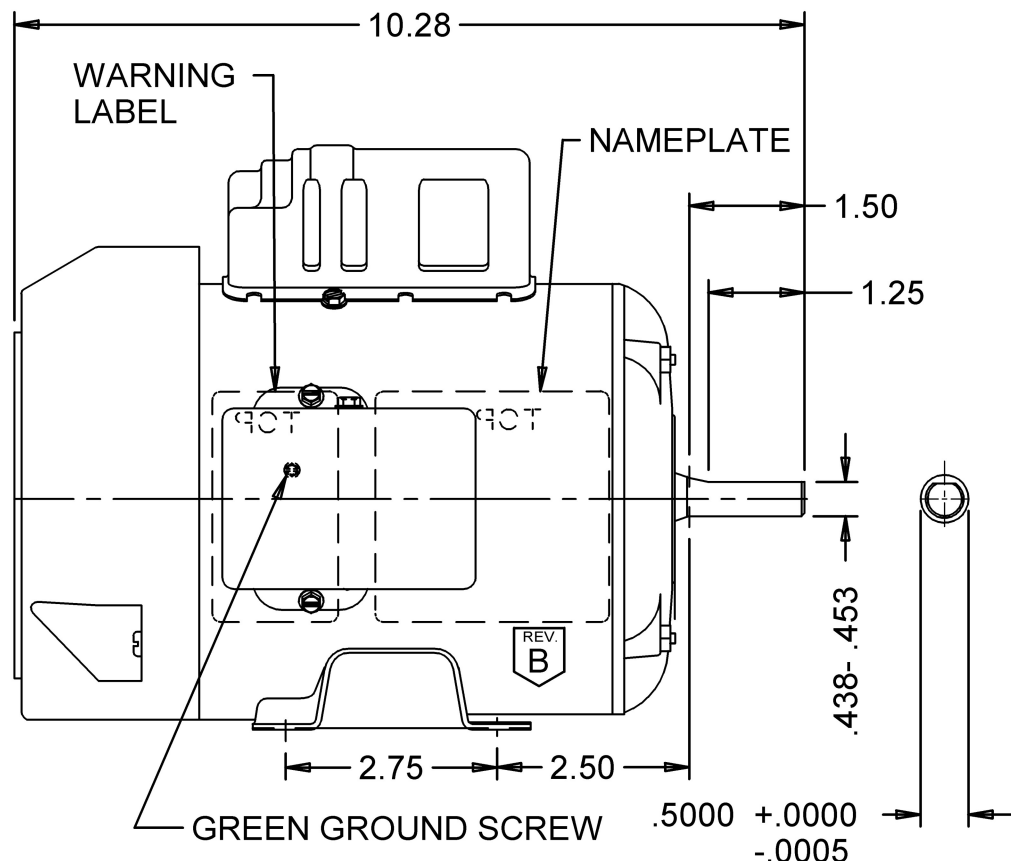
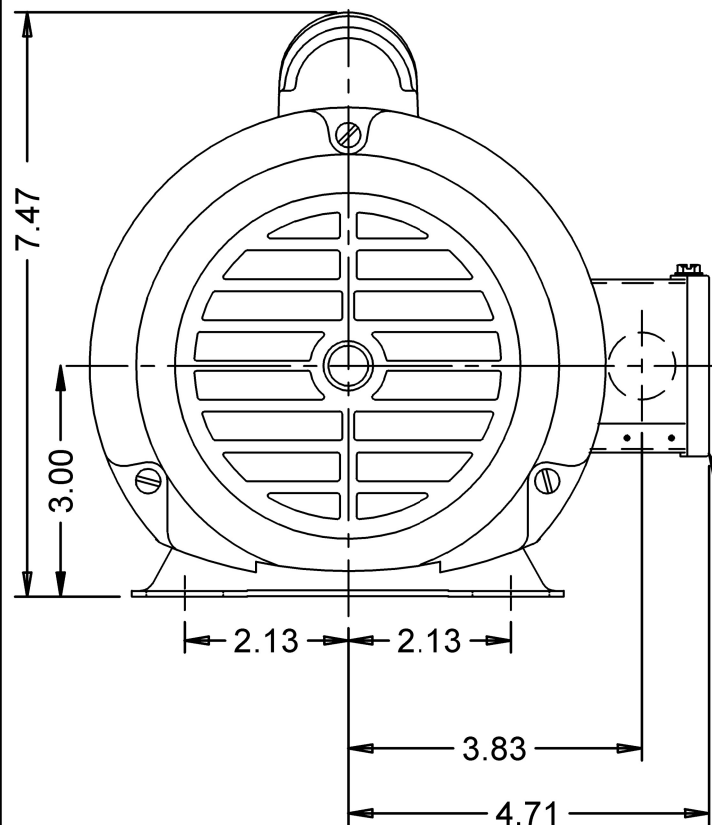




Catalog #: T14CM2J4

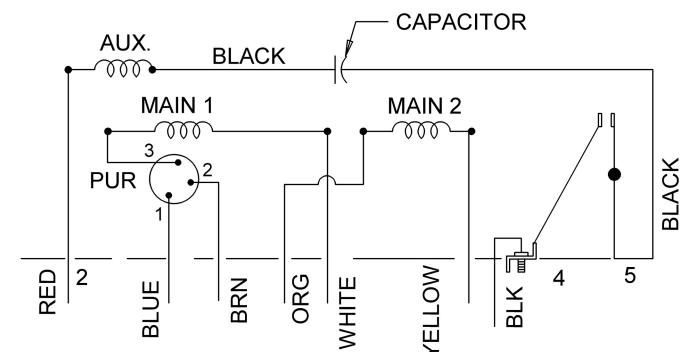
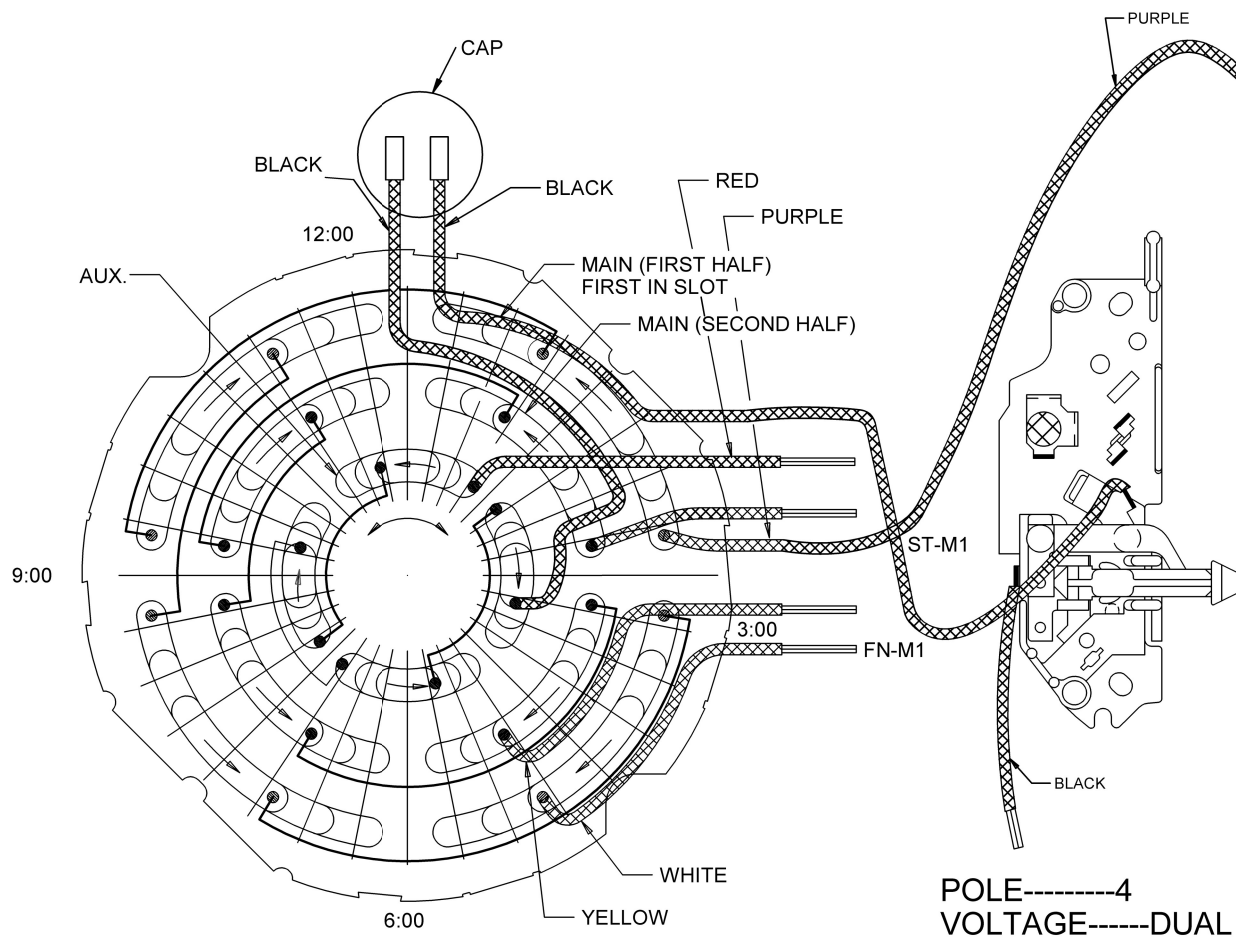
Model_Number:	C055KHW4948015B
PRODUCT NAME:	.25 HP - TEFC - 1725
PHASETYPE:	1_CAPACITOR START
MOTOR ENCLOSURE:	TEFC
HORSEPOWER:	.25
KILOWATTS:	0.2
POLES:	4
NUMBER SPEEDS:	1
RPM:	1725
HERTZ:	60
VOLTS PRIMARY:	115/208-230 V
VOLTS :	115
VOLTS 2:	208
VOLTS 3:	230
FRME :	48
STATOR DIAMETER:	5.5
STACK:	1.25
MOUNTING:	RIGID
MOTOR TYPE:	FHP
OPPOSITE END BEARING:	6203
SHAFT END BEARING:	6203
AMBIENT:	40
ROTATION:	REVERSIBLE
SERVICE FACTOR:	1.15
STARTCAPMFD:	356
SHIPPING WEIGHT:	22
THERMAL PROTECTION:	MANUAL RESET
BREAKDOWN TORQUE:	43.14
BREAKDOWN TORQUE UOM:	OZFT
LOCKED ROTOR TORQUE:	59.9
LOCKED ROTOR TORQUE UOM:	OZFT
INSULATION CLASS:	B
KVA CODE LETTER:	P
LOCKED ROTOR AMPS:	25.66
FULL LOAD AMPS PRIMARY:	6.6/2.9-3.3
SERVICE FACTOR AMPS PRIMARY:	6.8/3.0-3.4



(7) LEADS #18, 2/64 THICK INSL. TO EXTEND BEYOND MOTOR INTO CONDUIT BOX
 BLACK=6.000±1.000, RED=6.000±1.000, BROWN=6.000±1.000
 BLUE=6.000±1.000, YELLOW=6.000±1.000
 ORANGE=6.000±1.000, WHITE=6.000±1.000
 LEADS TO BE SKINNED .750±.250

NIDEC MOTOR CORPORATION 13-Apr-12

MODEL		REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER PN	
C55KXKHW-4948			USEM	1/4	115/208-230	6.6/2.9-3.3	60	1725	REVERSIBLE	T14CM2J4	
SHEET NUMBER	REV	REVISION RECORD FOR: C5417-00			INFORMATION DISCLOSED ON THIS DOCUMENT IS CONSIDERED PROPRIETARY AND SHALL NOT BE REPRODUCED OR DISCLOSED WITHOUT WRITTEN CONSENT OF NIDEC MOTOR CORPORATION				NIDEC MOTOR CORPORATION		
1 OF 1	B	CHANGED WARNING LABEL									
REVISION DATE											
13-APR-12					ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS TOLERANCE IS GIVEN						
ISSUED BY		REVIEWED BY		ENGINEER APPROVED		TITLE			CODE	ITEM NO.	SIZE
J.PATROCINIO		V.RIVERA		V.RIVERA		ASSEMBLED VIEW			V01	764564	A



CONNECTIONS

LOW VOLTAGE		HIGH VOLTAGE	
BLU	L1	BLU	L1
BRN	INS	BRN	INS
BLK		BLK	INS
ORG	INS	ORG	INS
WHT		WHT	INS
YEL	L2	YEL	L2
RED		RED	L2

POLE-----4
 VOLTAGE-----DUAL
 SPEED-----1
 WITH PROTECTOR
 REVERSIBLE.

ROTATION: CCW LE REVERSIBLE
 TO REVERSE INTERCHANGE RED WITH BLACK

VIEWING LEAD END

NOTE: SECURE ALL LEADS TO PREVENTS
 INTERFERENCE WITH MOVING PARTS

NIDEC CONFIDENTIAL
 NIDEC MOTOR CORPORATION 03-Oct-13

REVISION DESCRIPTION FOR: C8396-11		SCALE	NONE	UNITS	IN	TITLE		NIDEC MOTOR CORPORATION	
CHANGED MARK FROM EMERSON TO NIDEC		TOLERANCES ON DIMENSIONS (UNLESS OTHERWISE SPECIFIED)				DIAGRAM OF CONNECTIONS		NIDEC MOTOR CORPORATION	
		INCHES		mm					
MATERIAL:		.X = ±.1				ISSUED BY		REVISION DATE	
		.XX = ±.03				B. ANDRADE		J.I. SALAZAR	
		.XXX = ±.015				CODE		DWG NO.	
		ANGLES X° = ±1°				D04		765597	
MUST BE COMPLIANT TO RoHS DIRECTIVE EU 2002/95/IEC AND REGULATION EC 1907/2006 (REACH) AS AMENDED								REV	
								SHEET	
								NUMBER	
								C	
								1	
								OF 1	
								B	

General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) Rigid Base



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- Capacitor Start, Induction Run
- F1 Assembly
- Reversible Rotation

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	48	T14CM2J4	\$397	DS-3FMP	1.15	10.3	22	6.6/2.9-3.3	23
	1800	115/230	48YZ	T14C2P4ZS	\$355	DS-3FMP	1.15	11.4	18	5.3/2.7	25
	1200	115/208-230	56	T14C3J	\$541	DS-3FMP	1.15	11.4	23	6.4/3.0-3.2	25
1/3	3600	115/208-230	48	T13C1J4	\$264	DS-3FMP	1.15	10.8	19	5.5/2.7-2.8	25
	1800	115/208-230	56	T13C2J	\$362	DS-3FMP	1.15	10.6	22	6.6/2.9-3.3	25
	1800	115/208-230	56	T13CM2J	\$386	DS-3FMP	1.15	10.7	22	6.6/3.0-3.3	23
	1200	115/208-230	56	T13C3J	\$523	DS-3FMP	1.15	11.4	32	6.8/3.4-3.4	25
1/2	3600	115/208-230	56	T12CM1J	\$324	DS-3FMP	1.15	11.6	19	8.0/3.8-4.0	23
	1800	100-120 & 200-240	56	6174	\$468	DS-3FMP	1.25	12.0	27	6.3-5.6/3.1-2.8	25
	1800	115/208-230	48	T12C2J4	\$415	DS-3FMP	1.15	11.3	22	9/4.3-4.5	25
	1800	115/208-230	56	T12C2J	\$422	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	25
	1800	115/208-230	56	T12CA2J	\$465	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	24
	1800	115/208-230	56	T12CM2J	\$474	DS-3FMP	1.15	11.4	28	9.0/4.3-4.5	23
	1200	115/208-230	56	T12C3J	\$742	DS-3FMP	1.15	12.4	37	10.4/5.1-5.2	25
3/4	3600	115/208-230	56	T34C1J	\$345	DS-3FMP	1.15	11.9	25	10.4/5.3-5.2	25
	3600	115/208-230	56	T34CA1J	\$425	DS-3FMP	1.15	11.9	32	10.4/5.3-5.2	24
	3600	115/208-230	56	T34CM1J	\$408	DS-3FMP	1.15	11.9	25	10.4/5.3-5.2	23
	1800	100-120 & 200-240	56	T34C2Z	\$556	DS-3FMP	1.25	12.4	32	9.2-8.4/4.6-4.2	25
	1800	115/208-230	56	T34C2J	\$512	DS-3FMP	1.15	11.9	33	11.4/5.7-5.7	25
	1800	115/208-230	56	T34CA2J	\$521	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	24
	1800	115/208-230	56	T34CM2J	\$535	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	23
	1200	115/208-230	56H	T34C3JH	\$932	DS-3FMP	1.15	13.4	39	10.6/5.4-5.3	25
1	3600	115/208-230	56	T1C1J	\$455	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	25
	3600	115/208-230	56	T1CA1J	\$498	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	24
	3600	115/208-230	56	T1CM1J	\$473	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	23
	1800	100-120 & 200-240	56	T1C2Z	\$641	DS-3FMP	1.15	13.4	32	11.0-9.2/5.5-4.7	25
	1800	115/208-230	143T	T1CA2J14	\$614	DS-3SP	1.15	13.0	32	14.0/6.9-7.0	24
	1800	115/208-230	143T	T1CM2J14	\$630	DS-3SP	1.15	12.8	32	14.0/6.9-7.0	23
	1800	115/208-230	56H	T1C2JH	\$554	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	56H	T1CA2JH	\$591	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	24
	1800	115/208-230	56H	T1CM2JH	\$577	DS-3FMP	1.15	12.4	40	14.0/6.9-7.0	23
	1800	115/230	182	T1C2P18Z	\$997	DS-3SP	1.00	14.1	72	13.8/6.9	25
	1800	115/208-230	143T	T1C2J14	\$576	DS-3SP	1.15	12.8	32	14.0/6.9-7.0	25
	1200	115/208-230	56H	T1C3JH	\$1,081	DS-3FMP	1.15	13.9	44	12.6/6.6-6.3	25
1 1/2	3600	115/208-230	143T	T32C1J14	\$568	DS-3FMP	1.15	13.3	34	14.6/8.1-7.4	25
	3600	115/208-230	56H	T32CM1JH	\$637	DS-3FMP	1.15	12.9	34	14.6/8.1-7.4	23
	3600	115/208-230	56H	T32C1JH	\$568	DS-3FMP	1.15	12.9	32	14.6/8.1-7.4	25
	1800	115/208-230	145T	T32C2J14	\$580	DS-3SP	1.15	14.3	41	14.4/8.0-7.2	25
	1800	115/208-230	145T	T32CA2J14	\$619	DS-3SP	1.15	14.3	40	14.4/8.0-7.2	24
	1800	115/208-230	56H	T32C2JH	\$633	DS-3FMP	1.15	13.9	30	14.4/8.0-7.2	25
	1800	115/208-230	56H	T32CA2JH	\$646	DS-3FMP	1.15	13.9	41	14.4/8.0-7.2	24
	1800	115/208-230	56H	T32CM2JH	\$650	DS-3FMP	1.15	13.9	28	14.4/8.0-7.2	23
	1800	115/230	184	T32C2P18Z	\$1,083	DS-3SP	1.00	15.1	79	18.4/9.2	25

Note 23 Manual Reset Thermal Protector Overload
Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected

General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) Rigid Base

(continued)



HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
2	3600	115/208-230	145T	T2C1J14	\$744	DS-3FMP	1.15	13.8	41	19.5/10.8-9.7	25
	3600	115/208-230	145T	T2CM1J14	\$813	DS-3FMP	1.15	13.8	40	19.5/10.8-9.7	23
	3600	115/208-230	56H	T2C1JH	\$744	DS-3FMP	1.15	13.4	40	19.5/10.8-9.7	25
	3600	115/208-230	56H	T2CM1JH	\$813	DS-3FMP	1.15	13.4	39	19.5/10.8-9.7	23
	1800	115/208-230	145T	T2C2J14	\$838	DS-3SP	1.15	14.3	54	18.9/10.3-9.4	25
	1800	115/208-230	145T	T2CA2J14	\$877	DS-3SP	1.00	14.8	54	18.9/10.3-9.4	24
	1800	115/208-230	145T	T2CM2J14	\$901	DS-3SP	1.00	14.3	54	18.9/10.3-9.4	23
	1800	115/208-230	56H	T2C2JH	\$838	DS-3FMP	1.15	13.9	54	18.9/10.3-9.4	25
	1800	115/208-230	56H	T2CA2JH	\$877	DS-3FMP	1.00	14.4	54	18.9/10.3-9.4	24
	1800	115/208-230	56H	T2CM2JH	\$901	DS-3FMP	1.00	13.9	54	18.9/10.3-9.4	23
	1800	115/230	182T	T2C2P18	\$818	DS-3SP	1.00	15.2	50	23.6/11.8	18,25
	1800	115/230	213	T2C2P21Z	\$1,336	DS-3SP	1.00	17.6	72	24.0/12.0	18,25
3	3600	115/230	182T	T3C1P18	\$1,008	DS-3SP	1.00	16.6	83	32.0/16.0	18,25
	1800	115/230	184T	T3C2P18	\$954	DS-3SP	1.00	17.7	121	30.0/15.0	18,25
	1800	115/230	215	T3C2P21	\$2,010	DS-3SP	1.00	19.6	83	33.6/16.8	18,25
5	3600	230	184T	T5C1K18	\$1,363	DS-3SP	1.00	17.4	91	19.6	18,25
	1800	230	213T	T5C2K21	\$1,139	DS-3SP	1.00	19.6	121	23.0	18,25
	1800	230	215	T5C2K21Z	\$2,301	DS-3SP	1.00	19.6	90	20.0	18,25
7 1/2	3600	230	213T	T7C1K21	\$1,789	DS-3SP	1.00	20.0	92	30.3	18,25
	1800	230	215T	T7C2K21	\$1,815	DS-3SP	1.00	22.0	90	30.0	18,25

Note 18 Incorporates Run Capacitor
 Note 23 Manual Reset Thermal Protector Overload

Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected