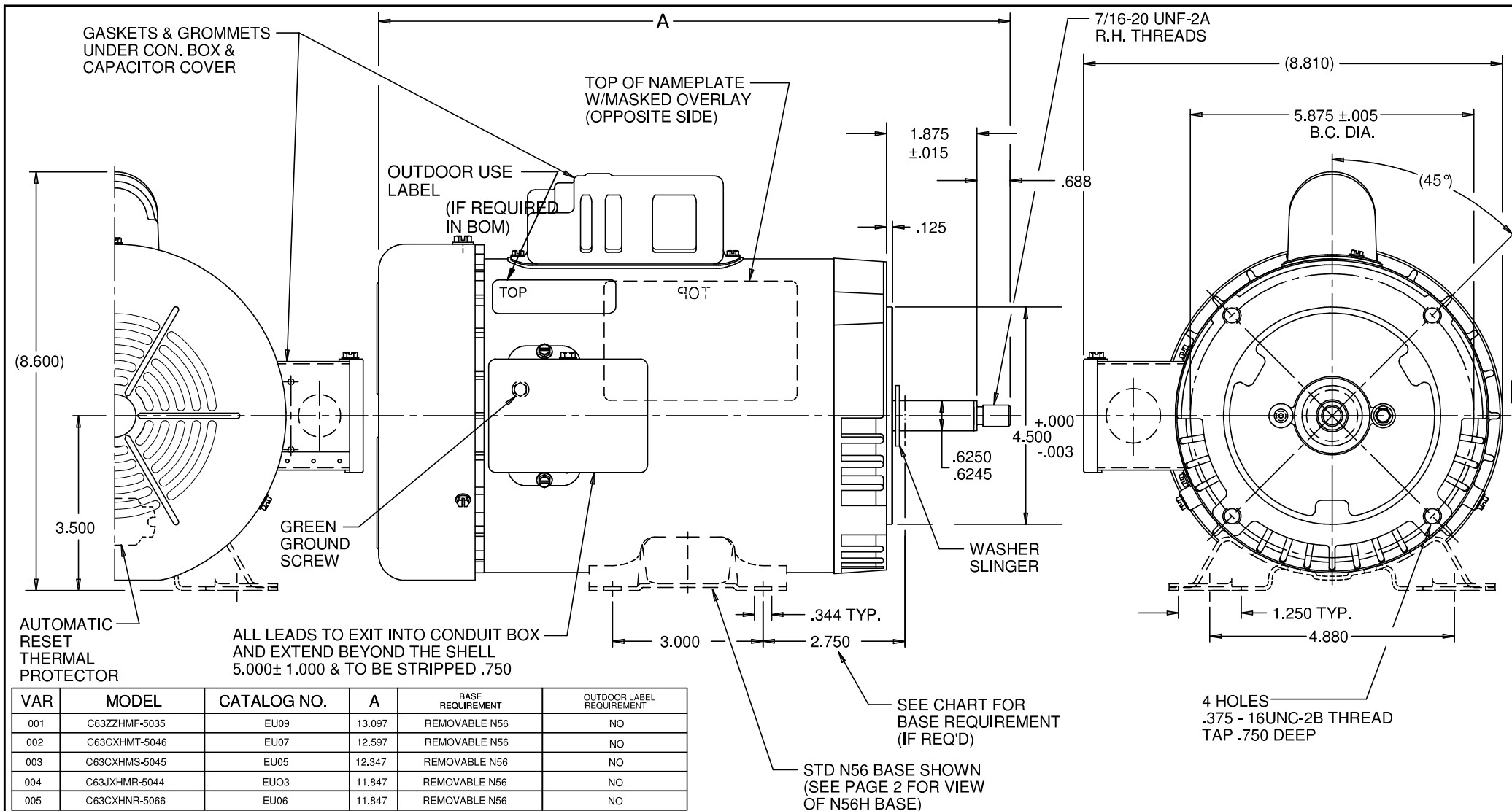




Catalog #: EU03

Model Number:	C063HMR5044013J
PRODUCT NAME:	.5 HP - TEFC - 3450
PHASETYPE:	1_CAPACITOR START
MOTOR ENCLOSURE:	TEFC
HORSEPOWER:	.5
KILOWATTS:	0.4
POLES:	2
NUMBER SPEEDS:	1
RPM:	3450
RPM 2:	2850
HERTZ:	60
HERTZ 2:	50
VOLTS PRIMARY:	115/208-230 & 110/220 V
VOLTS :	115
VOLTS 2:	208
VOLTS 3:	230
VOLTS 4:	110
VOLTS 5:	220
FRME :	56
SHAFT CODE:	J
STATOR DIAMETER:	6.3
STACK:	1.75
MOUNTING:	J-FACE/REM BASE
MOTOR TYPE:	FHP
OPPOSITE END BEARING:	6203
SHAFT END BEARING:	6203
AMBIENT:	40
ROTATION:	CCW DRIVE END
STARTCAPMFD:	297
SHIPPING WEIGHT:	27
THERMAL PROTECTION:	AUTOMATIC RESET
BREAKDOWN TORQUE:	43.05
BREAKDOWN TORQUE UOM:	OZFT
LOCKED ROTOR TORQUE:	33.18
LOCKED ROTOR TORQUE UOM:	OZFT
INSULATION CLASS:	B
KVA CODE LETTER:	L
LOCKED ROTOR AMPS:	39.53
FULL LOAD AMPS PRIMARY:	7.8/4.1-3.9
SERVICE FACTOR AMPS PRIMARY:	8.4/4.3-4.2



SHEET NUMBER	REV	REVISION RECORD FOR: ECO E31424		
	F	CHANGED SCREW VIEW TO S05820750 (SCREW WITHOUT SLOT).		
1 OF 2				
REVISION DATE				
10-JUL-18				
ISSUED BY		REVIEWED BY	ENGINEER APPROVED	
G. ISASSI		J. SALINAS	R. GIL	

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

ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS TOLERANCE IS GIVEN

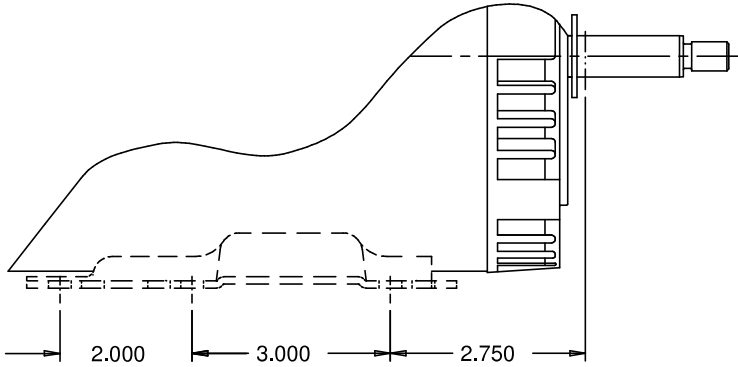
NIDEC MOTOR CORPORATION 06-Jul-18

TITLE
ASSEMBLED VIEW

CODE
V01

ITEM NO.
745733

VAR	MODEL	CATALOG NO.	A	BASE REQUIREMENT	OUTDOOR LABEL REQUIREMENT
006	C63JXHNH-5057	EU02	11.097	REMOVABLE N56	NO
007	C63CXHNJ-5058	EU04	11.347	REMOVABLE N56	NO
008	C63ZZHNK-5059	EU08	12.847	REMOVABLE N56	NO
009	C63JXHMP-5043	EU01	11.847	REMOVABLE N56	YES



PARTIAL VIEW
SHOWING N56H BASE

SHEET NUMBER 2 OF 2	REV F	REVISION RECORD FOR: ECO E31424		
		CHANGED SCREW VIEW TO S05820750 (SCREW WITHOUT SLOT), IN PAGE #1.		
REVISION DATE				
10-JUL-18				
ISSUED BY		REVIEWED BY	ENGINEER APPROVED	
G. ISASSI		J. SALINAS	R. GIL	

INFORMATION DISCLOSED ON THIS DOCUMENT
IS CONSIDERED PROPRIETARY AND SHALL NOT BE
REPRODUCED OR DISCLOSED WITHOUT WRITTEN
CONSENT OF NIDEC MOTOR CORPORATION

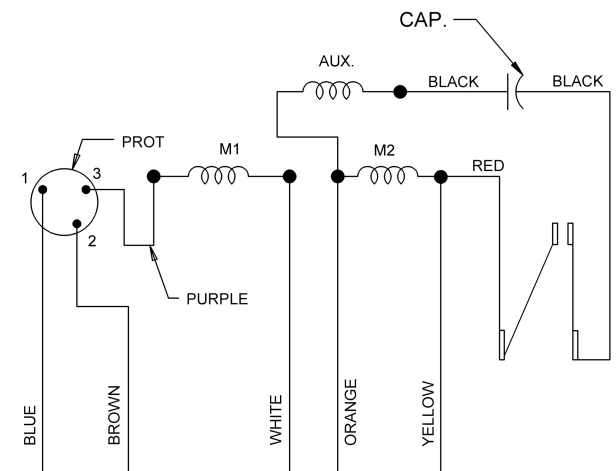
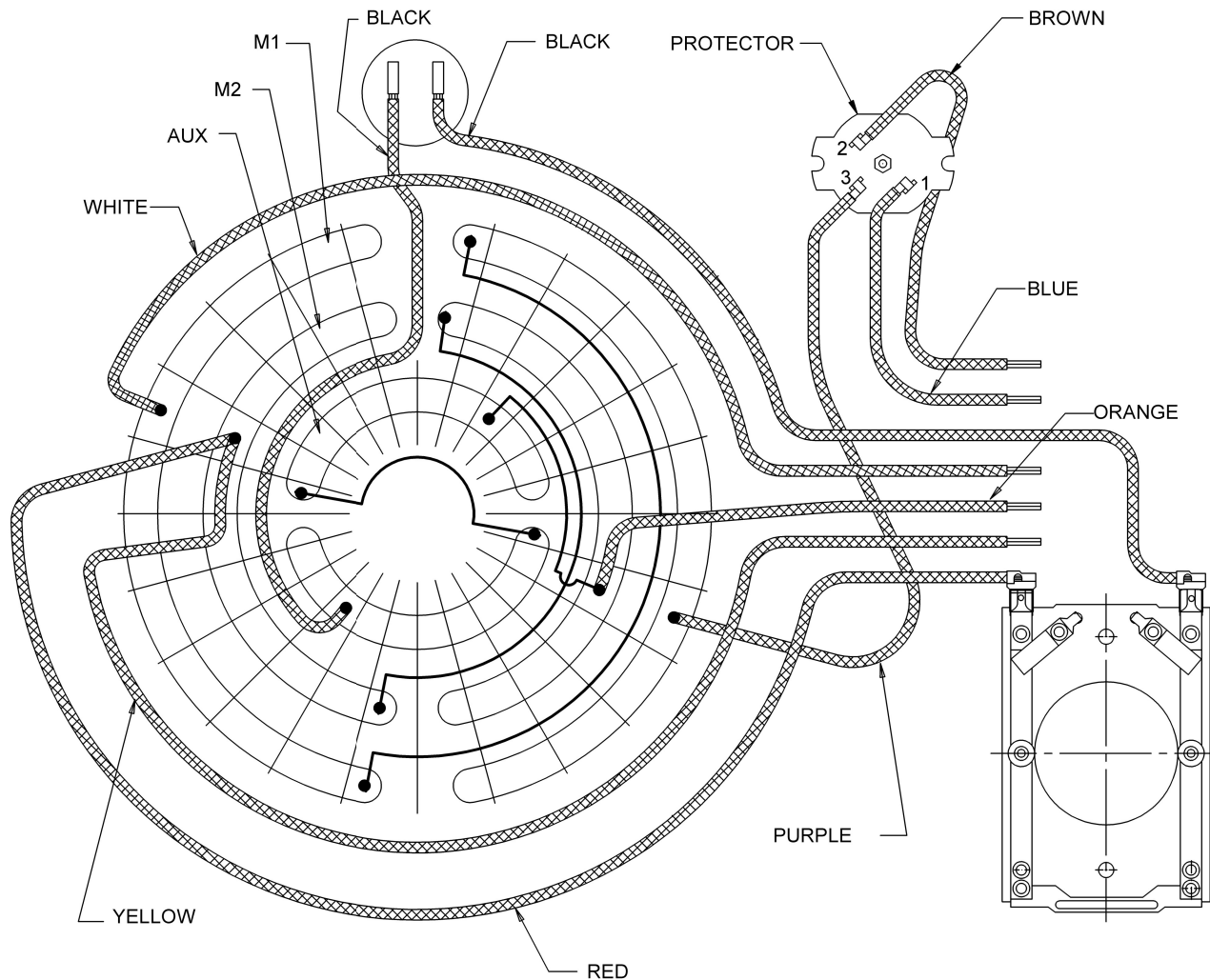
**NIDEC MOTOR
CORPORATION**

ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS TOLERANCE IS GIVEN

TITLE
ASSEMBLED VIEW

CODE
V01

ITEM NO.
745733



CONNECTIONS

LOW VOLTAGE

BLU ——— L1
 BRN ———
 ORG ———
 WHT ———
 YEL ——— L2

HIGH VOLTAGE

BLU ——— L1
 BRN ——— INSUL.
 ORG ———
 WHT ———
 YEL ——— L2

C 2P DUAL VOLT NON-REVERSIBLE W/CAP & PROT



NOTE:
 SECURE ALL LEADS AT 3:00 OCLOCK
 LOCATION TO PREVENT INTERFERENCE
 WITH MOVING PARTS.

ROTATION:
 CW SWITCH END.

NIDEC CONFIDENTIAL
 NIDEC MOTOR CORPORATION 07-Oct-13

REVISION DESCRIPTION FOR: C8396-07	
CHANGED FROM MICROSTATION TO SOLIDEDGE	
MATERIAL:	
MUST BE COMPLIANT TO RoHS DIRECTIVE EU 2002/95/EC AND REGULATION EC 1907/2006 (REACH) AS AMENDED	

SCALE	NONE	UNITS	INCHES
TOLERANCES ON DIMENSIONS (UNLESS OTHERWISE SPECIFIED)			
INCHES	± .015	mm	
ANGLES ±			

TITLE		NIDEC MOTOR CORPORATION	
DIAGRAM OF CONNECTIONS		REVISION DATE	
ISSUED BY	A. SANCHEZ	APPROVED BY	J.I. SALAZAR
CODE	D04	REV	A
DWG NO.	745969	SHEET NUMBER	1 OF 1
		DWG SIZE	B

REFER TO SEIM 24-1

Special Application Commercial Pump Single Phase Totally Enclosed Fan Cooled (TEFC) C-Face



APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

- Double Sealed Ball Bearings
- Class B Insulation, Continuous Duty, 40°C Ambient
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- F1 Assembly
- Reversible Rotation
- Capacitor Start, Induction Run

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff	Max Amps	Notes
1/4	1800	115/208-230	56C	T14C2JC	\$390	DS-3F	Rigid	1.15	11.1	22	58.9	6.6/3.0-3.3	25
	1800	115/208-230	56C	T14C2JCR	\$330	DS-3F	No	1.15	11.0	22	58.9	6.6/3.0-3.3	25
1/3	3600	115/208-230 & 110/220	56J	EU01	\$341	DS-3FMP	Removable	1.15	11.9	23	72.5	7.0/3.5-3.5	24,98
	3600	115/208-230 & 110/220	56C	EC01B	\$334	DS-3FMP	Rigid	1.15	11.4	23	71.9	7.0/3.5-3.5	98
	3600	115/208-230 & 110/220	56C	EC01	\$332	DS-3FMP	No	1.15	11.4	22	72.5	7.0/3.5-3.5	24,98
	1800	115/230	42CZ	T13C2P42ZCR	\$394	DS-3FMP	No	1.00	11.6	21	62.3	6.2/3.1	25
	1800	115/208-230	56J	EU02	\$349	DS-3FMP	Removable	1.15	11.1	24	61.4	7.2/3.4-3.6	
	1800	115/208-230	56C	T13C2JC	\$380	DS-3F	Rigid	1.15	11.0	19	-	7.2/3.3-3.6	25
	1800	115/208-230	56C	T13CA2JCR	\$380	DS-3FMP	No	1.15	11.0	22	-	7.2/3.3-3.6	24
	1800	115/208-230	56C	T13C2JCR	\$380	DS-3F	No	1.15	11.0	22	-	7.2/3.3-3.6	25
	1800	115/208-230	56C	T12CA1JCR	\$358	DS-3FMP	No	1.15	12.0	18	72.9	8.5/4.2-4.3	24
1/2	3600	115/208-230 & 110/220	56J	EU03	\$368	DS-3FMP	Removable	1.15	11.9	27	74.8	8.4/4.3-4.2	24,98
	3600	115/208-230 & 110/220	56C	EC03B	\$363	DS-3FMP	Rigid	1.15	11.0	28	74.8	8.4/4.3-4.2	24,98
	3600	115/208-230 & 110/220	56C	EC03	\$358	DS-3FMP	No	1.15	11.4	23	74.8	8.4/4.3-4.2	24,98
	1800	100-120 & 200-240	56C	6212	\$565	DS-3FMP	Rigid	1.25	12.0	25	77.1	7.7-6.7/3.8-3.3	18,24,98
	1800	100-120 & 200-240	56C	T12C2ZCR	\$592	DS-3FMP	No	1.25	12.0	25	77.1	7.7-6.7/3.8-3.3	18,25,98
	1800	115/208-230	56J	EU04	\$498	DS-3FMP	Removable	1.15	11.3	35	70.2	8.2/4.3-4.4	24,98
	1800	115/208-230	56C	T12C2JC	\$482	DS-3FMP	Rigid	1.15	11.4	32	60.7	9.2/4.3-4.6	25
	1800	115/208-230	56C	EC04	\$339	DS-CPMP	No	1.15	10.9	25	70.2	8.8/4.3-4.4	
	1800	115/208-230	56C	T12CA2JCR	\$496	DS-3FMP	No	1.15	11.4	32	60.7	9.2/4.3-4.6	24
	1800	115/208-230	56C	T12CM2JCR	\$462	DS-3FMP	No	1.15	11.4	32	60.7	9.2/4.3-4.6	23
	1800	115/208-230	56C	T12C2JCR	\$439	DS-3FMP	No	1.15	12.4	32	60.7	9.2/4.3-4.6	25
	1200	115/208-230	56C	T12C3JCR	\$828	DS-3FMP	No	1.15	12.4	32	67.3	10.6/5.1-5.3	25
	3600	115/208-230	56C	T34C1JC	\$417	DS-3FMP	Rigid	1.15	11.9	32	67.8	12.1/6.3-6.1	25
	3600	115/208-230	56C	T34CA1JCR	\$451	DS-3FMP	No	1.15	11.9	32	67.8	12.1/6.3-6.1	24
	3600	115/208-230 & 110/220	56J	EU05	\$458	DS-3FMP	Removable	1.15	12.4	42	79.4	10.8/5.7-5.4	24,98
3/4	3600	115/208-230 & 110/220	56C	EC06	\$448	DS-3FMP	No	1.15	11.9	26	79.4	10.8/5.7-5.4	24,98
	1800	100-120 & 200-240	56C	6214	\$691	DS-3FMP	Rigid	1.25	12.0	32	77.1	11.5-9.9/5.7-4.9	24
	1800	100-120 & 200-240	56C	T34C2ZCR	\$699	DS-3FMP	No	1.25	12.4	23	77.2	11.5-9.9/5.7-4.9	18,25,98
	1800	115/208-230	56C	T34C2JC	\$585	DS-3FMP	Rigid	1.15	11.9	32	69.0	11.8/5.7-5.9	25
	1800	115/208-230	56J	EU06	\$582	DS-3FMP	Rigid	1.25	12.4	30	77.0	9.9/5.1-4.9	24
	1800	115/208-230	56C	T34CA2JCR	\$582	DS-3FMP	No	1.15	11.9	32	69.0	11.8/5.7-5.9	24
	1800	115/208-230	56C	T34CM2JCR	\$551	DS-3FMP	No	1.15	11.9	32	69.0	11.8/5.7-5.9	23
	1800	115/208-230	56C	T34C2JCR	\$527	DS-3FMP	No	1.15	11.9	32	69.0	11.8/5.7-5.9	25
	1200	115/208-230	56C	T34C3JCR	\$932	DS-3FMP	No	1.15	13.4	28	70.0	11.4/5.4-5.7	18,25
	3600	115/208-230	56C	T1C1JC	\$489	DS-3FMP	Rigid	1.15	12.4	26	66.7	14.2/6.9-7.1	25
	3600	115/208-230	56C	T1CA1JCR	\$524	DS-3FMP	No	1.15	12.4	32	66.7	14.2/6.9-7.1	24
	3600	115/208-230 & 110/220	56J	EU07	\$511	DS-3FMP	Removable	1.15	12.6	33	80.2	13.8/7.2-6.9	24,98
1	3600	115/208-230 & 110/220	56C	EC09B	\$508	DS-3FMP	Rigid	1.15	12.1	29	80.6	13.8/7.2-6.9	24,98
	3600	115/208-230 & 110/220	56C	EC09	\$351	DS-CPMP	No	1.15	12.1	28	80.6	13.8/7.2-6.9	98
	1800	115/208-230	143TC	T1C2J14C	\$621	DS-3F	Rigid	1.15	12.4	32	70.0	14.6/6.9-7.3	25
	1800	115/208-230	143TC	T1CA2J14CR	\$677	DS-3SP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	24
	1800	115/208-230	143TC	T1CM2J14CR	\$700	DS-3SP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	23
	1800	115/208-230	143TC	T1C2J14CR	\$638	DS-3SP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	25
	1800	100-120 & 200-240	56C	T1CA2ZC	\$730	DS-3FMP	Rigid	1.15	13.4	30	80.6	12.9-10.6/6.4-5.3	
	1800	100-120 & 200-240	56C	T1CM2ZC	\$760	DS-3FMP	Rigid	1.15	13.4	38	81.9	12.9-10.6/6.4-5.3	
	1800	115/208-230	56HC	T1C2JHC	\$621	DS-3FMP	Rigid	1.15	12.4	32	70.0	14.6/6.9-7.3	25

Note 18 Incorporates Run Capacitor
 Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected
 Note 98 50/60 Hertz Motor

Special Application Commercial Pump Single Phase Totally Enclosed Fan Cooled (TEFC) C-Face

(continued)



HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff	Max Amps	Notes
1	1800	115/208-230	56C	T1CA2JCR	\$610	DS-3FMP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	24
	1800	115/208-230	56C	T1CM2JCR	\$633	DS-3FMP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	23
	1800	115/208-230	56C	T1C2JCR	\$571	DS-3FMP	No	1.15	12.4	32	70.0	14.6/6.9-7.3	25
	1800	208-230/115	56C	EC10B	\$623	DS-3FMP	Rigid	1.15	12.4	37	75.9	14.2/7.5-7.1	
	1200	115/208-230	56C	T1C3JCR	\$1,011	DS-3FMP	No	1.15	13.9	44	77.9	13.9/7.4-7.0	25
1 1/2	3600	115/208-230	143TC	T32C1J14CR	\$637	DS-3SP	No	1.15	12.9	32	78.5	16.8/8.1-8.5	25
	3600	115/208-230	56HC	T32C1JHC	\$603	DS-3FMP	Rigid	1.15	12.9	42	78.5	16.8/8.1-8.5	25
	3600	115/208-230	56C	T32CA1JCR	\$637	DS-3FMP	No	1.15	12.9	32	78.5	16.8/8.1-8.5	24
	3600	115/208-230 & 110/220	56C	EC11B	\$650	DS-3FMP	Rigid	1.15	12.6	36	83.2	18.4/10.3-9.2	24,98
	3600	115/208-230 & 110/220	56C	EC11	\$398	DS-CPMP	No	1.15	12.6	35	83.2	18.4/10.3-9.2	98
	3600	115/208-230 & 110/220	56J	EU09	\$655	DS-3FMP	No	1.15	13.1	40	83.2	18.4/10.3-9.2	24,98
	1800	115/208-230	145TC	T32C2J14C	\$731	DS-3F	Rigid	1.15	13.9	45	80.0	15.8/8.0-7.9	25
	1800	115/208-230	145TC	T32C2J14CR	\$723	DS-3SP	No	1.15	13.9	47	80.0	15.8/8.0-7.9	25
	1800	115/208-230	56C	EC12B	\$729	DS-3FMP	Rigid	1.15	12.4	38	81.8	15.8/8.7-7.9	18,24
	1800	115/208-230	56HC	T32C2JHC	\$736	DS-3FMP	Rigid	1.15	13.9	41	80.0	15.8/8.0-7.9	25
	1800	115/208-230	56C	EC12	\$447	DS-CPMP	No	1.15	12.4	37	81.9	15.8/8.7-7.9	18
	1800	115/208-230	56C	T32CA2JCR	\$689	DS-3FMP	No	1.15	13.9	31	80.0	15.8/8.0-7.9	24
	1800	115/208-230	56C	T32CM2JCR	\$712	DS-3FMP	No	1.15	13.9	31	80.0	15.8/8.0-7.9	23
	1800	115/208-230	56C	T32C2JCR	\$650	DS-3FMP	No	1.15	13.9	31	80.0	15.8/8.0-7.9	25
2	3600	115/208-230	145TC	T2C1J14C	\$778	DS-3FMP	Rigid	1.15	13.4	43	80.0	21.3/10.8-10.6	25
	3600	115/208-230	145C	T2C1J14CR	\$813	DS-3SP	No	1.15	12.9	34	80.0	21.3/10.8-10.6	25
	3600	208-230 & 220	56J	EU11	\$825	DS-3FMP	Removable	1.15	13.4	42	87.5	11.0-10.0	18,24,98
	3600	208-230 & 220	56C	EC13B	\$780	DS-3FMP	Rigid	1.15	12.9	38	87.5	11.0-10.0	18,24,98
	3600	208-230 & 220	56C	EC13	\$815	DS-3FMP	No	1.15	12.9	37	87.6	11.0-10.0	18,24,98
	1800	115/208-230	145TC	T2C2J14C	\$846	DS-3FMP	Rigid	1.15	13.9	46	81.5	20.6/10.3-10.3	18,25
	1800	115/208-230	145TC	T2CA2J14CR	\$1,008	DS-3SP	No	1.00	14.4	40	81.5	18.9/10.3-9.4	24
	1800	115/208-230	145TC	T2C2J14CR	\$969	DS-3SP	No	1.15	13.9	46	81.5	20.6/10.3-10.3	25
	1800	115/208-230	56HC	T2C2JHC	\$846	DS-3FMP	Rigid	1.15	13.9	43	81.5	20.6/10.3-10.3	18,25
	1800	115/208-230	56C	T2CA2JCR	\$778	DS-3FMP	No	1.00	14.4	31	81.5	18.9/10.3-9.4	24
	1800	115/208-230	56C	T2CM2JCR	\$801	DS-3FMP	No	1.00	13.9	31	81.5	18.9/10.3-9.4	23
3	3600	208-230	56J	EU12	\$894	DS-3FMP	Removable	1.15	13.9	17	87.9	15.8-14.6	18,24
	3600	208-230	56C	EC16B	\$522	DS-CPMP	Rigid	1.15	13.4	39	87.9	15.8-14.6	18
5	3600	230	184TC	T5C1K18C	\$1,397	DS-3SP	Rigid	1.00	17.3	91	83.0	19.6	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
 Note 98 50/60 Hertz Motor