PHYSICAL DATA

COMPRESSOR MODEL		P43	P44	P63	P64	P83	P84
No. of Cylinders		4		6		8	
Nom. Displacement	60 Hz	143 (67.5)	170 (80.2)	201 (94.9)	242 (114.2)	278 (131.2)	331 (156.2)
CFM (l/s)	50 Hz	119 (56.2)	140 (66.1)	168 (79.3)	199 (93.9)	232 (109.5)	273 (128.9)
Bore (Inches) (mm)		3-3/4 (95.3)		3-3/4 (95.3)		3-3/4 (95.3)	
Stroke (Inches) (mm)		3.2 (81.3)	3.8 (96.5)	3.0 (76.2)	3.6 (91.4)	3.1 (78.7)	3.7 (94.0)
Suction Conn. (ODF)		3-1/8		3-1/8		3-5/8	
Discharge Conn. (ODF)		2-5/8		2-5/8		3-1/8	
Oil* Charge (Gals.) (liters)		2.0 (7.6)		2.0 (7.6)		2.0 (7.6)	
Weight (Lbs.) (kg.)		1500 (680)	1560 (708)	1820 (826)	1860 (844)	2040 (926)	2140 (971)

* YORK C for R-22 Air Conditioning Applications. 5 gallon can 011-00312-000 (Mineral)
* YORK H for R-134a and R-407C Air Conditioning Applications. 5 gallon can 011-00549-000 (POE)
* YORK E for R-22 in high ambient environment (115°F and above). 5 gallon can 011-00582-000 (Mineral)

LIMITATIONS

VOLTAGE LIMITATIONS

The following voltage limitations are absolute and operation beyond these limits may cause serious damage to the compressor or motor.

NAMEPLATE VOLTAGE	MINIMUM VOLTAGE	MAXIMUM VOLTAGE
200-3-60	180	220
230-3-60	207	253
380-3-60	355	415
460-3-60	414	506
575-3-60	517	633
190-3-50	171	208
220-3-50	198	242
346-3-50	311	381
380/415-3-50	342	440
440-3-50	396	484
500-3-50	450	550

COMPRESSOR OPERATING LIMITATIONS

Maximum Compression Ratio	9.5:1	
Maximum Operating Differential (PSI) (Bar)	325	(22.8)
Maximum Discharge Temp. (°F) (°C)	275	(135)
Superheat (Nominal) (At Compressor) (°F) (°C)	12 - 18	(6.7 - 10)
Min. Oil Pressure (Above Suction Pressure) (PSIG) (Bar)	25	(1.7)
Maximum Oil Temperature[1] (°F) (°C)	160	(71.1)
Min. Oil Temp (At Start Up) (°F) (°C) (Above Ambient)	15	(8.3)
Maximum Sat. Discharge Temp.[2] (°F) (°C)	155	(68.3)
Maximum Sat. Suction Temp.[2] (°F) (°C)	70	(21.1)
Maximum Ambient (°F) (°C)	130	(54.5)
Minimum Ambient (°F) (°C)	0	(-17.8)

[1] Measured externally on pump suction boss as shown in Fig. 11 or may be a control panel feature on newer units.
[2] Motor selection and operating conditions may limit maximum saturated discharge temperature to lower levels and saturated suction temperature to higher levels.

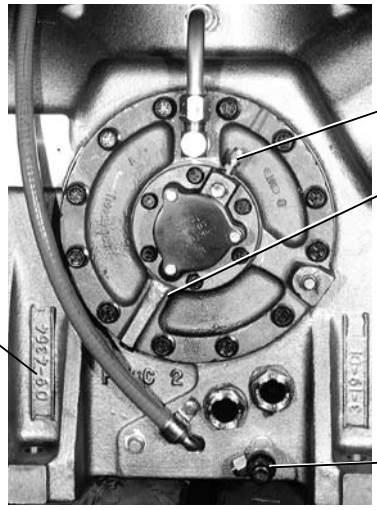

FIG. 11 – CHECKING OIL TEMPERATURE