

TOTALINE



CONDENSING UNIT

RELIABLE AND HIGH EFFICIENCY
UNITS FROM 2 TO 30 HP FOR MEDIUM
AND LOW TEMPERATURE APPLICATIONS



Suppliers to the air-conditioning, heating and refrigeration trade.

www.totaline.com.au

Application Benefits/Features

Technical Specification

Totaline Condensing unit series, TB for basic open unit and TP for package unit, are designed to provide a wide variety of performance options for your refrigeration needs. The Condensing Unit capacity ranges from 5HP to 30HP with R404a using semi hermetic compressor and capacity range from 2HP to 6HP with R404a using scroll hermetic compressor @15KTD to suit the customer's requirements in small up to a large capacities. All standard modules have a generous fin spacing 2.2mm, 2 to 6 rows deep, 7mm out side diameter inner grooved copper tube and heavy gauge aluminum fin to achieve the best efficiency of heat transfer performance.

Standard Features

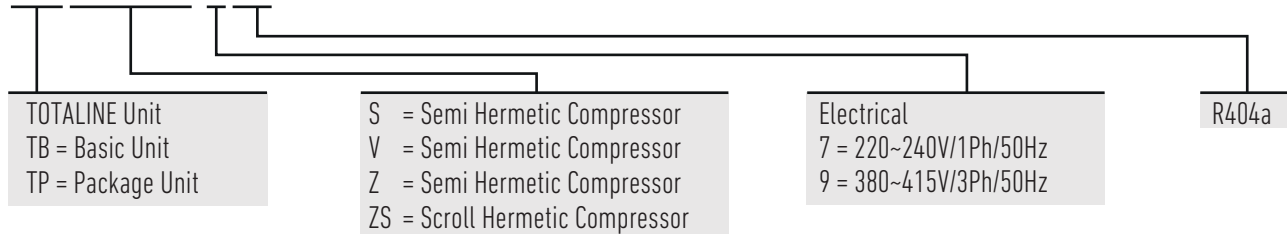
- 7mm Inner grooved copper tube.
- Heavy gauge aluminium fin.
- Motor protection class IP54.
- Galvalume steel casing.
- Powder coating finished.
- Semi-hermetic/Scroll hermetic compressors.

Optional Features

- Special coated fin, copper fin.
- Stainless steel or aluminium casing.
- Special voltage motor.
- Motor with EC technology.
- Explosion proof motor.

Model Designation

TBS842Y-901



Bill of Material	Model with Semi Hermetic Compressor		Model with Scroll Hermetic Compressor	
	Basic	Package	Basic	Package
Base Plate	✓	✓	✓	✓
Chasing	✗	✓	✗	✓
Condenser	✓	✓	✓	✓
Compressor	✓	✓	✓	✓
Core Sense	✗	✗	✓	✓
Receiver tank	✓	✓	✓	✓
Oil separator	✓	✓	✗	✗
Filter drier	✓	✓	✓	✓
Sight glass	✓	✓	✓	✓
Solenoid valve	✗	✗	✓	✓
Non return valve	✓	✓	✗	✗
Flexible pipe	✓	✓	✗	✗
Accumulator	✓	✓	✗	✗
HLP	✓	✓	✓	✓
Electrical box	✗	✓	✗	✓

*we keep the right to change the technical data at anytime



Performance data with R404a model and Scroll Hermetic Compressor

No.	Model	Ambient Temp.	Evaporating Temperature							
			(°C)							
		(°C)	5	0	-5	-10	-15	-20	-25	-30
1	TBZS06-701	27	6.53	5.67	4.88	4.16	3.51	2.93	2.42	1.98
		32	6.07	5.27	4.53	3.86	3.26	2.72	2.25	1.85
		38	5.52	4.78	4.11	3.50	2.95	2.46	2.04	1.67
		43	5.07	4.39	3.77	3.20	2.70	2.25	1.86	1.52
2	TBZS08-701 TPZS08-701	27	7.43	6.46	5.57	4.76	4.02	3.36	2.78	2.26
		32	6.92	6.01	5.18	4.43	3.75	3.13	2.59	2.11
		38	6.30	5.47	4.71	4.03	3.40	2.85	2.35	1.91
		43	5.80	5.03	4.33	3.70	3.12	2.61	2.15	1.74
3	TBZS09-901 TPZS09-901	27	8.64	7.55	6.53	5.60	4.76	4.00	3.32	2.71
		32	7.98	6.97	6.03	5.17	4.39	3.69	3.05	2.48
		38	7.22	6.28	5.42	4.63	3.92	3.27	2.69	2.16
		43	6.64	5.76	4.95	4.22	3.55	2.95	2.40	1.89
4	TBZS14-901 TPZS14-901	27	13.21	11.51	9.94	8.49	7.17	5.98	4.92	3.99
		32	12.29	10.71	9.24	7.90	6.68	5.57	4.59	3.73
		38	11.15	9.71	8.39	7.18	6.07	5.08	4.19	3.40
		43	10.20	8.89	7.68	6.57	5.57	4.66	3.85	3.13
5	TBZS15-901 TPZS15-901	27	14.42	12.51	10.79	9.24	7.84	6.58	5.42	4.31
		32	13.39	11.65	10.08	8.67	7.40	6.23	5.15	4.09
		38	12.06	10.52	9.15	7.92	6.81	5.78	4.80	3.83
		43	10.77	9.44	8.25	7.18	6.22	5.33	4.46	3.57
6	TBZS18-901 TPZS18-901	27	18.07	15.83	13.74	11.81	10.05	8.46	7.03	5.78
		32	16.89	14.80	12.86	11.07	9.43	7.96	6.63	5.46
		38	15.42	13.51	11.75	10.13	8.65	7.31	6.10	5.02
		43	14.27	12.47	10.82	9.31	7.94	6.70	5.59	4.59

TB = Basic Unit | **TP** = Package Unit

Notes: 1. All values rated at return gas temperature: 18.33°C and subcooling: 2.77°C.
2. Units are in Kilowatts (kW) for Capacity and Power.

Performance data with R404a model and Semi Hermetic Compressor

No.	Model	Ambient Temp.	Qo Pta	Evaporating Temperature								
				(°C)								
		(°C)	(kW)	5	0	-5	-10	-15	-20	-25	-30	-35
1	TBQ528Y-901 TPQ528Y-901	30	Qo	-	-	16.72	13.74	11.14	8.89	6.97	5.32	3.93
			Pta	-	-	7.18	6.60	5.99	5.36	4.72	4.08	3.43
		35	Qo	-	-	15.04	12.32	9.96	7.93	6.19	4.70	3.44
			Pta	-	-	7.54	6.88	6.21	5.51	4.82	4.12	3.43
		40	Qo	-	-	13.36	10.91	8.79	6.97	5.41	4.08	-
			Pta	-	-	7.86	7.13	6.39	5.64	4.88	4.14	-
2	TBS842Y-901 TPS842Y-901	30	Qo	-	-	25.68	21.16	17.21	13.79	10.82	8.26	6.04
			Pta	-	-	10.45	9.58	8.66	7.72	6.76	5.79	4.82
		35	Qo	-	-	22.95	18.86	15.30	12.22	9.55	7.24	5.23
			Pta	-	-	10.91	9.92	8.91	7.88	6.84	5.80	4.78
		40	Qo	-	-	20.18	16.53	13.37	10.64	8.28	6.23	-
			Pta	-	-	11.29	10.21	9.10	7.99	6.87	5.77	-
3	TBS1052Y-901 TPS1052Y-901	30	Qo	-	-	31.39	25.84	21.13	17.13	13.72	10.77	8.17
			Pta	-	-	13.35	12.32	11.18	9.98	8.74	7.53	6.37
		35	Qo	-	-	28.59	23.48	19.15	15.47	12.33	9.59	7.14
			Pta	-	-	14.16	12.97	11.69	10.36	9.01	7.70	6.46
		40	Qo	-	-	-	21.08	17.13	13.77	10.89	8.36	-
			Pta	-	-	-	13.55	12.13	10.67	9.22	7.82	-
4	TBS1556Y-901 TPS1556Y-901	30	Qo	-	-	35.25	28.94	23.58	19.01	15.12	11.76	8.80
			Pta	-	-	14.23	13.13	11.92	10.63	9.32	8.03	6.79
		35	Qo	-	-	32.06	26.25	21.31	17.11	13.53	10.41	7.64
			Pta	-	-	15.03	13.76	12.40	10.98	9.55	8.15	6.83
		40	Qo	-	-	28.82	23.49	18.98	15.15	11.87	8.99	-
			Pta	-	-	15.76	14.32	12.80	11.25	9.71	8.21	-
5	TBV1571Y-901 TPV1571Y-901	30	Qo	-	-	42.99	35.31	28.80	23.28	18.57	14.50	10.88
			Pta	-	-	18.60	17.17	15.55	13.83	12.05	10.27	8.56
		35	Qo	-	-	-	32.02	26.05	20.98	16.65	12.87	9.47
			Pta	-	-	-	18.01	16.18	14.27	12.32	10.39	8.55
		40	Qo	-	-	-	28.73	23.28	18.66	14.70	11.21	-
			Pta	-	-	-	18.73	16.70	14.59	12.47	10.40	-
6	TBV2084Y-901 TPV2084Y-901	30	Qo	-	-	49.41	40.69	33.10	26.54	20.92	16.14	12.12
			Pta	-	-	21.45	19.56	17.61	15.63	13.67	11.75	9.89
		35	Qo	-	-	43.86	36.04	29.27	23.45	18.49	14.29	10.75
			Pta	-	-	22.36	20.25	18.10	15.96	13.86	11.83	9.90
		40	Qo	-	-	38.18	31.30	25.39	20.34	16.06	12.46	-
			Pta	-	-	23.10	20.78	18.46	16.18	13.96	11.85	-
7	TBZ25106Y-901 TPZ25106Y-901	30	Qo	-	-	68.88	56.21	45.21	35.76	27.71	20.92	15.27
			Pta	-	-	27.50	25.28	22.87	20.35	17.79	15.26	12.84
		35	Qo	-	-	62.23	50.60	40.56	31.96	24.68	18.56	13.47
			Pta	-	-	29.02	26.44	23.72	20.94	18.16	15.47	12.93
		40	Qo	-	-	55.60	45.03	35.95	28.22	21.71	16.27	-
			Pta	-	-	30.42	27.49	24.48	21.45	18.48	15.65	-
8	TBZ30126Y-901 TPZ30126Y-901	30	Qo	-	-	75.39	61.70	49.82	39.59	30.86	23.47	17.27
			Pta	-	-	30.35	27.89	25.26	22.53	19.75	17.00	14.34
		35	Qo	-	-	67.44	55.04	44.32	35.12	27.28	20.66	15.10
			Pta	-	-	31.94	29.13	26.19	23.19	20.20	17.28	14.48
		40	Qo	-	-	59.52	48.41	38.85	30.19	23.76	17.91	-
			Pta	-	-	33.42	30.27	27.05	23.81	20.62	17.54	-

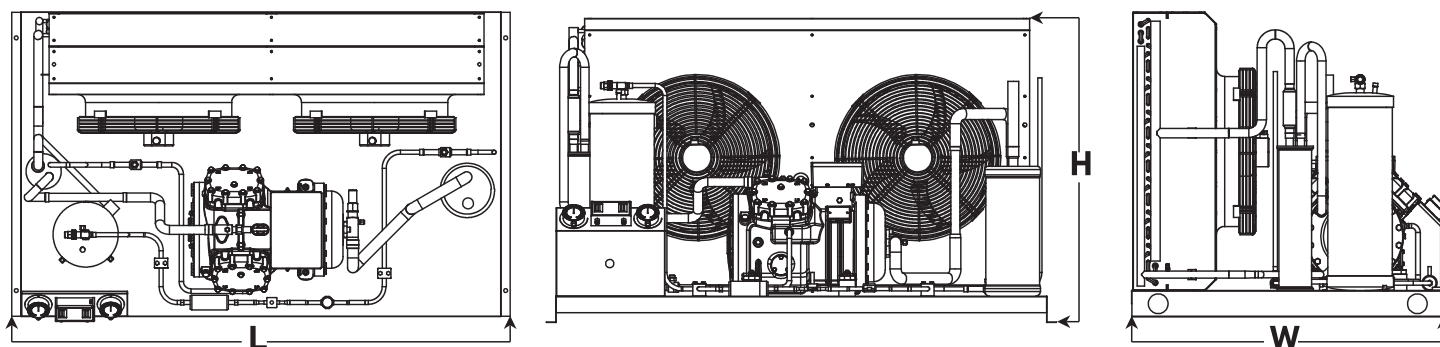
TB = Basic Unit | TP = Package Unit | Qo = Cooling capacity | Pta = Power input | = Additional cooling required



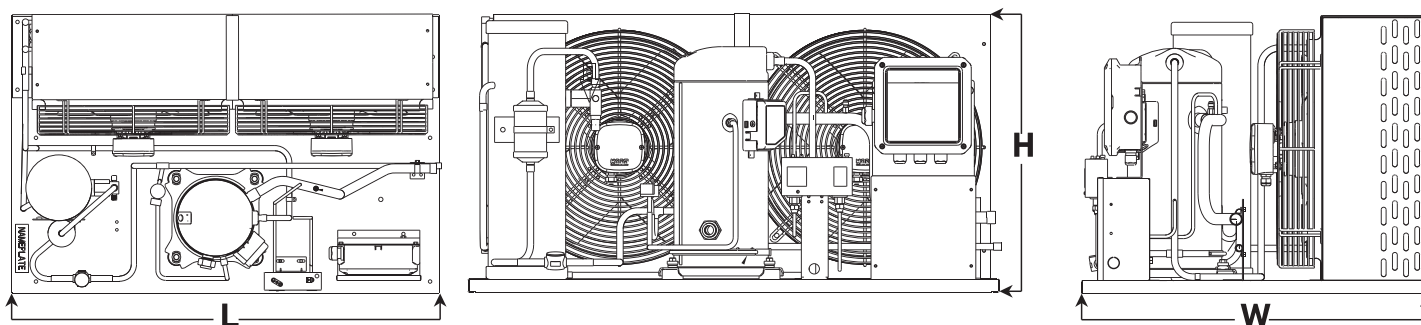
Dimension drawing Basic models

Model	Overall Dimensions (mm)				Fan	
	Length	Width	Height	Weight (kg)	Diameter (mm)	Qty Pcs
TBZS06-701	716	538	483	65	300	1
TBZS08-701	716	538	483	65	300	1
TBZS09-901	738	674	533	70	350	1
TBZS14-901	738	674	583	80	450	1
TBZS15-901	738	674	583	80	450	1
TBZS18-901	1045	679	583	85	500	1x2
TBSQ528Y-901	1220	1050	875	127	450	1
TBS842Y-901	1380	1000	1000	320	500	1x2
TBS1052Y-901	1380	1000	1000	320	500	1x2
TBS1556Y-901	1950	1000	1000	340	500	1x2
TBV1571Y-901	1950	1000	1000	430	630	1x2
TBV2084Y-901	2100	1000	1050	480	630	1x2
TBZ25106Y-901	2100	1000	1080	582	630	1x2
TBZ30126Y-901	2100	1000	1080	616	630	1x2

Basic model unit with semi hermetic compressor



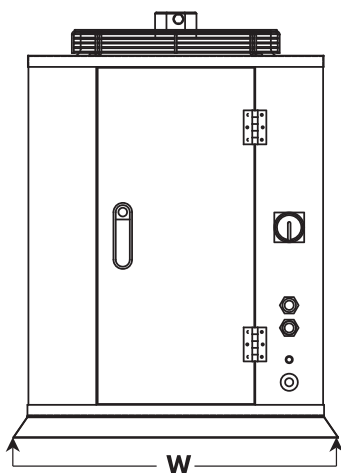
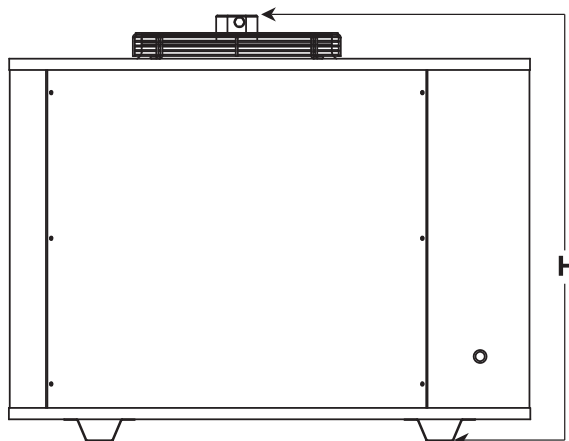
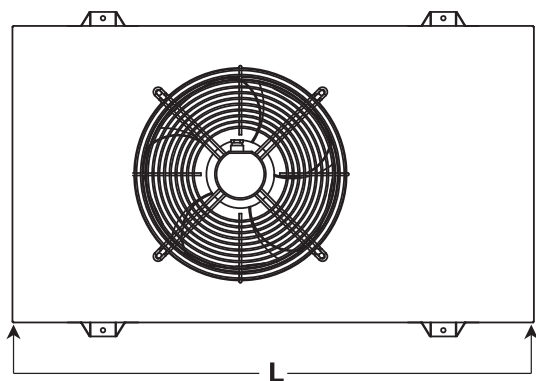
Basic model unit with scroll hermetic compressor



Dimension drawing Package models

Model	Overall Dimensions (mm)				Fan	
	Length	Width	Height	Weight (kg)	Diameter (mm)	Qty Pcs
TPZS08-701	1150	842	947	103	350	1
TPZS09-901	1150	842	960	112	450	1
TPZS14-901	1290	842	960	120	450	1
TPZS15-901	1290	842	960	120	450	1
TPZS18-901	1600	842	960	124	450	1x2
TPQ528Y-901	1290	842	960	144	450	1
TPS842Y-901	1690	860	100	377	500	1x2
TPS1052Y-901	1690	860	100	397	500	1x2
TPS1556Y-901	2100	860	1250	440	500	1x2
TPV1571Y-901	2100	960	1250	519	630	1x2
TPV2084Y-901	2200	960	1350	540	630	1x2
TPZ25106Y-901	2200	960	1350	612	630	1x2
TPZ30126Y-901	2200	1000	1500	653	630	1x2

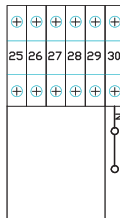
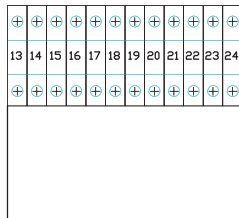
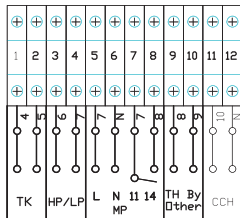
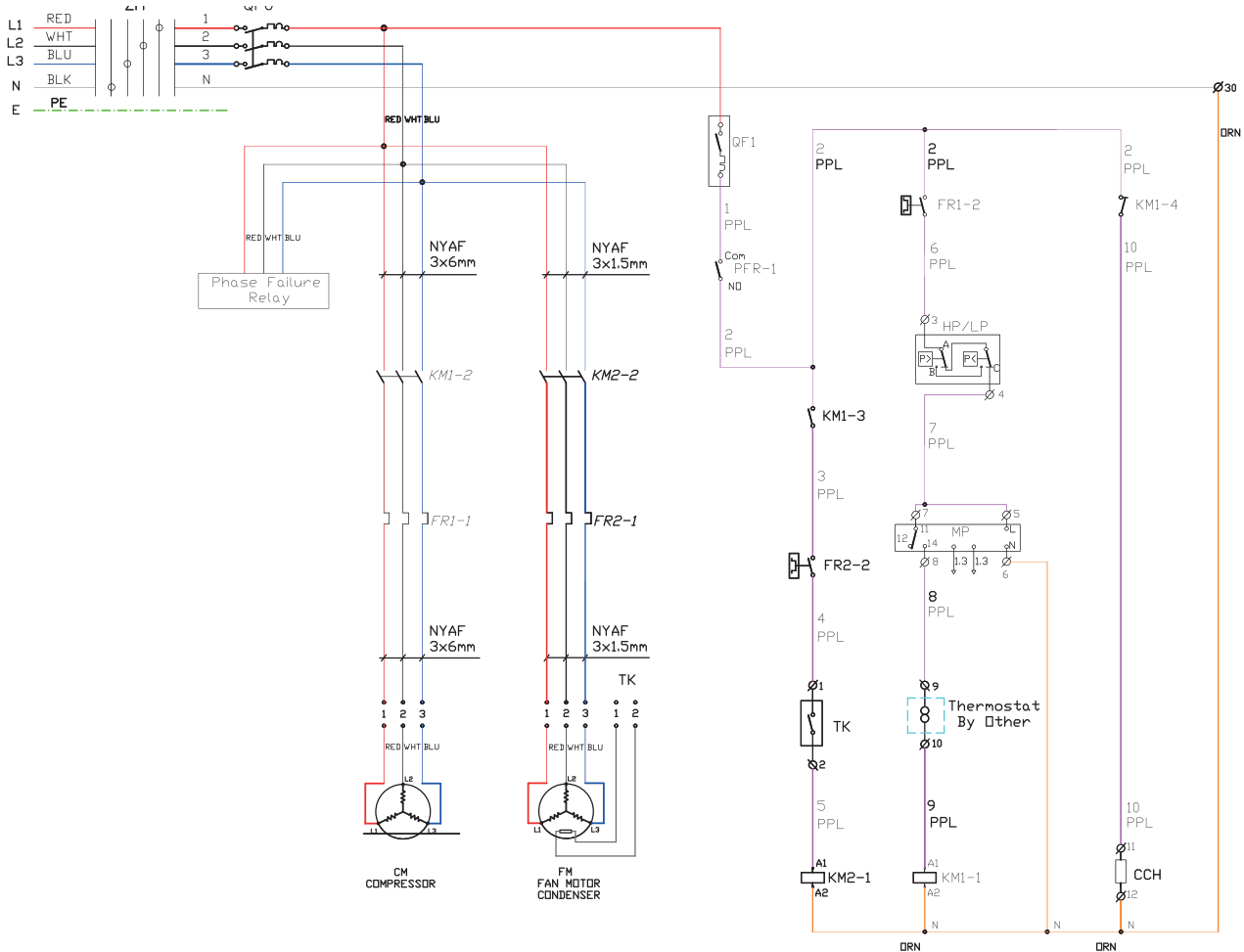
Model unit package





Wiring Diagram

TPQ528Y-901, TPS842Y-901, TPS1052Y-901, TPS1556Y-901



LEGEND	
Grounding	—
Field Wiring	—
Cable Number	7
Terminal Number	Ø9

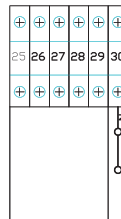
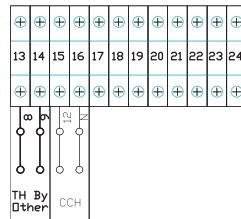
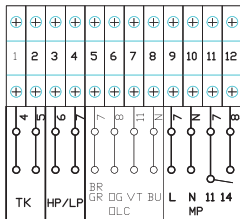
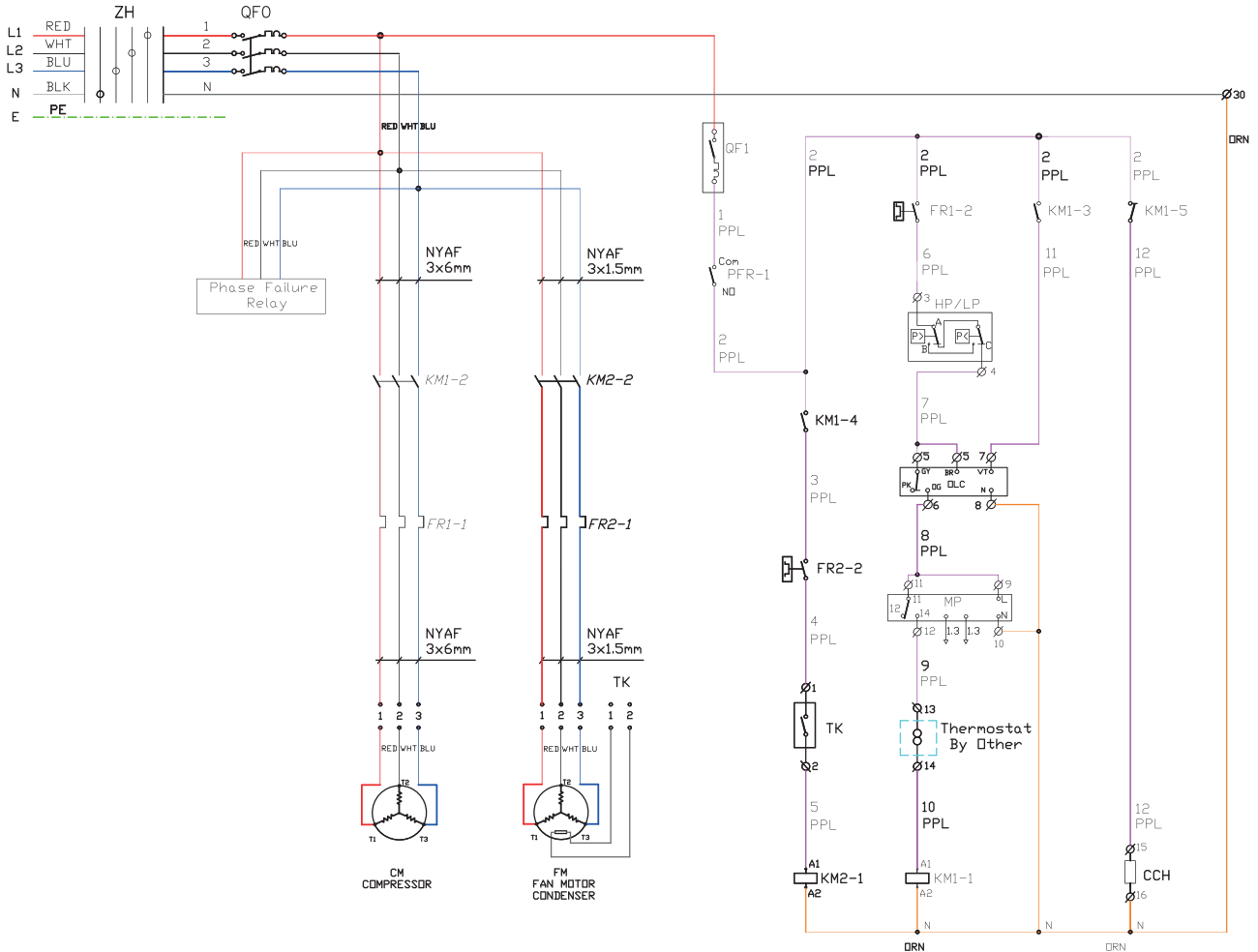
RED = Red = L1
WHT = White = L2
BLU = Blue = L3
BLK = Black = Neutral
ORN = Orange = Control
PPL = Purple = Control
GN/Y = Green/Yellow = Earth

NO	CODE	APPLICATION	REMARK
1	ZH	Three Phase Rotary Isolator Switch	
2	CM	Compressor Motor	
3	FM	Condenser Fan Motor	
4	QF0	Main -3Phase	
5	QF1	Control -1Phase	
6	PFR	Phase Failure Relay	
7	PFR-1	N/O Auxiliary Contact (Control)	
8	KM1	Compressor Contactor (CM)	
9	KM1-1	KM1 Coil (Control CM)	
10	KM1-2	KM1 Main Contact (Control CM)	
11	KM1-3	N/O Auxiliary Contact (Control FM)	
12	KM1-4	N/O Auxiliary Contact (Control CCH)	
13	KM2	Fan Motor Contactor (FM)	
14	KM2-1	KM1 Coil (Control FM)	

NO	CODE	APPLICATION	REMARK
15	KM2-2	KM1 Main Contact (Control FM)	
16	FR1	Thermal Overload Relay CM	
17	FR1-1	FR1 Main Contact	
18	FR1-2	FR1 Auxiliary Contact	
19	FR2	Thermal Overload Relay FM	
20	FR2-1	FR1 Main Contact	
21	FR2-2	FR1 Auxiliary Contact	
22	CCH	Compressor Crankcase Heater	
23	MP	Compressor Internal Overload	
24	HP/LP	High/Low Pressure Control	
25	TK	Fan Motor Overload Internal	
26			
27			
28			

Wiring Diagram

TPV1571Y-901



LEGEND	
Grounding	—
Field Wiring	—
Cable Number	7
Terminal Number	Ø9

RED = Red = L1
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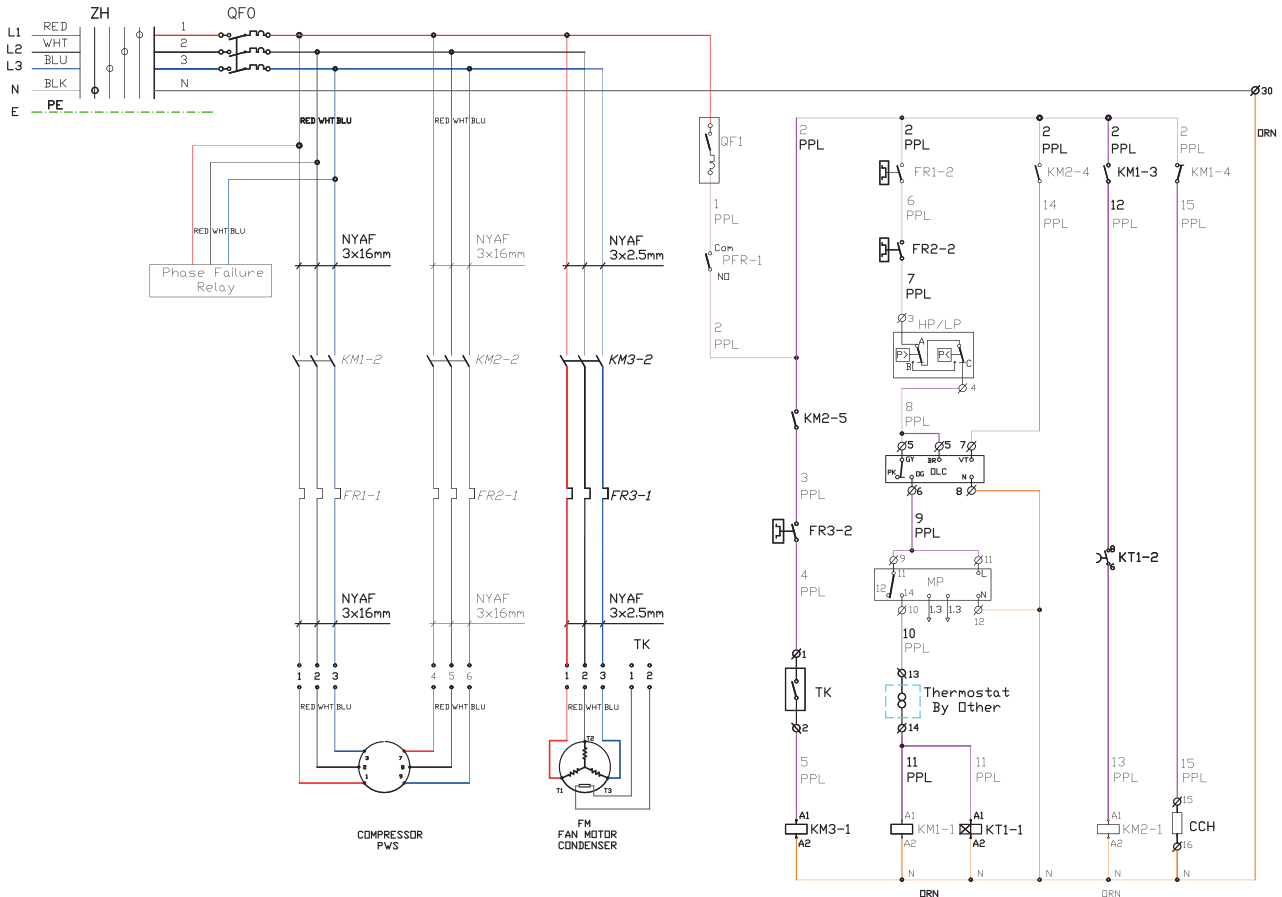
NO	CODE	APPLICATION	REMARK
1	ZH	Three Phase Rotary Isolator Switch	
2	CM	Compressor Motor	
3	FM	Condenser Fan Motor	
4	QF0	Main 3-Phase	
5	QF1	Control 1-Phase	
6	PFR	Phase Failure Relay	
7	PFR-1	N/O Auxiliary Contact (Control)	
8	KM1	Compressor Contactor (CM)	
9	KM1-1	KM1 Coil (Control CM)	
10	KM1-2	KM1 Main Contact (Control CM)	
11	KM1-3	N/O Auxiliary Contact (Control OLC)	
12	KM1-4	N/O Auxiliary Contact (Control FM)	
13	KM1-5	N/O Auxiliary Contact (Control CCH)	
14	KM2	Fan Motor Contactor (FM)	

NO	CODE	APPLICATION	REMARK
15	KM2-1	KM2 Coil (Control FM)	
16	KM2-2	KM2 Main Contact (Control FM)	
17	FR1	Thermal Overload Relay CM	
18	FR1-1	FR1 Main Contact	
19	FR1-2	FR1 Auxiliary Contact	
20	FR2	Thermal Overload Relay FM	
21	FR2-1	FR2 Main Contact	
22	FR2-2	FR2 Auxiliary Contact	
23	CCH	Compressor Crankcase Heater	
24	MP	Compressor Internal Overload	
25	HP/LP	High/Low Pressure Control	
26	OLC	Low Oil Pressure	
27	TK	Fan Motor Overload Internal	
28			



Wiring Diagram

TPV2084Y-901, TPZ25106Y-901, TPZ30126Y-901



1	2	3	4	5	6	7	8	9	10	11	12
TK	A	C	BR	GR	DG	VT	BU	L	N	11	14
HP/LP											

13	14	15	16	17	18	19	20	21	22	23	24
TH	By										
Other											

25	26	27	28	29	30

LEGEND	
Grounding	—
Field Wiring	—
Cable Number	7
Terminal Number	Ø9

RED = Red = L1
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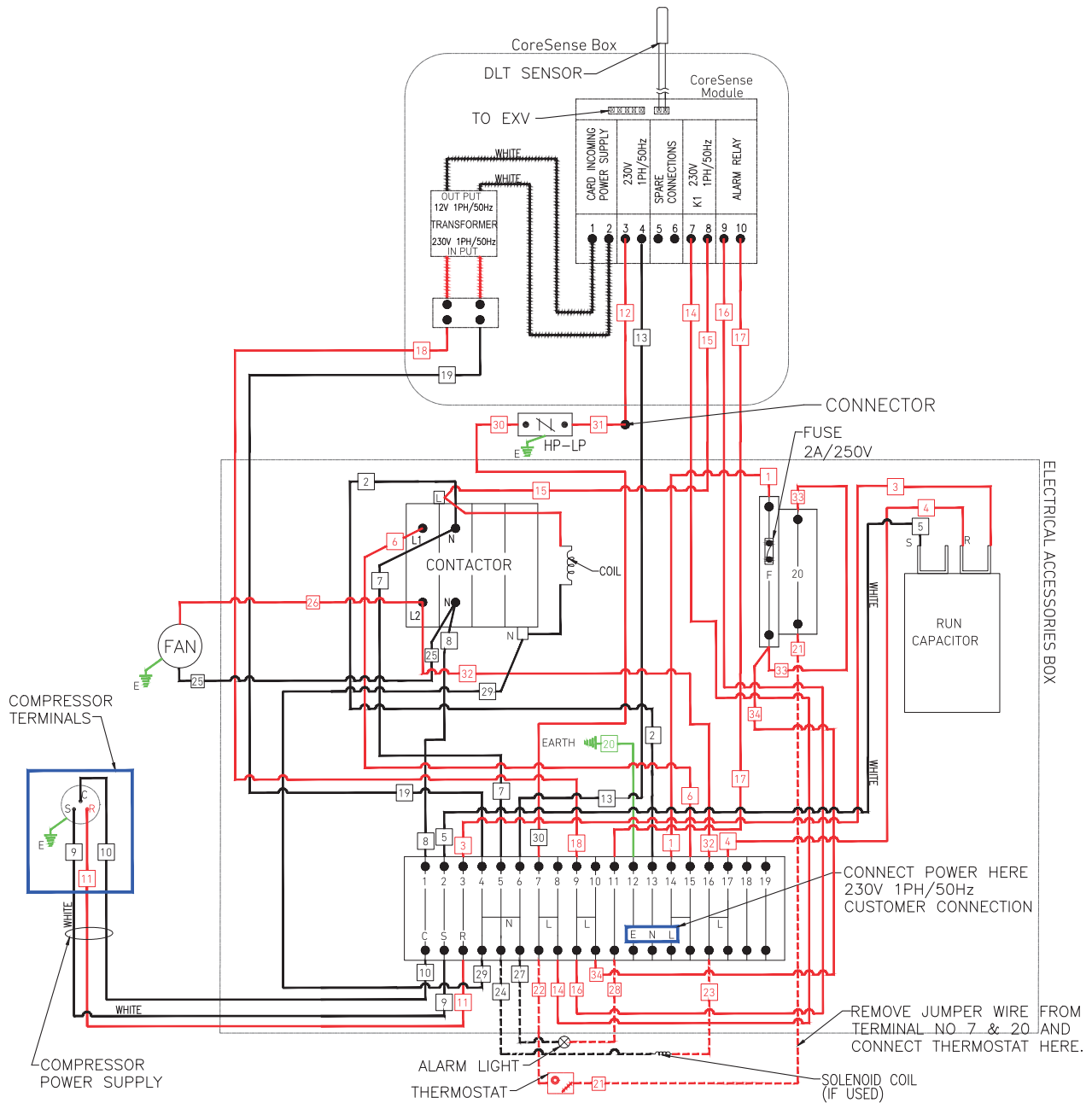
NO	CODE	APPLICATION	REMARK
1	ZH	Three Phase Rotary Isolator Switch	
2	CM	Compressor Motor	
3	FM	Condenser Fan Motor	
4	QF0	Main -3Phase	
5	QF1	Control -1Phase	
6	PFR	Phase Failure Relay	
7	PFR-1	N/O Auxiliary Contact (Control)	
8	KM1	Compressor Contactor (Y)	
9	KM1-1	KM1 Coil (Control CM)	
10	KM1-2	KM1 Main Contact (Control CM)	
11	KM1-3	N/O Auxiliary Contact (Control KM2)	
12	KM1-4	N/O Auxiliary Contact (Control CCH)	
13	KM2	Compressor Contactor (YY)	
14	KM2-1	KM1 Coil (Control CM)	

NO	CODE	APPLICATION	REMARK
15	KM2-2	KM1 Main Contact (Control CM)	
16	KM2-3	N/O Auxiliary Contact (Control FM)	
17	KM2-4	N/O Auxiliary Contact (Control OLS)	
18	KM3	Compressor Contactor (FM)	
19	KM3-1	KM1 Coil (Control FM)	
20	KM3-2	KM1 Main Contact (Control FM)	
21	FR1	Thermal Overload Relay CM	
22	FR1-1	FR1 Main Contact	
23	FR1-2	FR1 Auxiliary Contact	
24	FR2	Thermal Overload Relay FM	
25	FR2-1	FR1 Main Contact	
26	FR2-2	FR1 Auxiliary Contact	
27	FR3	Thermal Overload Relay FM	
28	FR3-1	FR1 Main Contact	

NO	CODE	APPLICATION	REMARK
29	FR3-2	FR1 Auxiliary Contact	
30	KT1	Timer Delay	
31	KT1-1	KT1 Coil	
32	KT1-2	KT1 N/O Auxiliary Contact	
33	OLC	Low Oil Pressure	
34	CCH	Compressor Crankcase Heater	
35	MP	Compressor Internal Overload	
36	HP/LP	High/Low Pressure Control	
37	TK	Fan Motor Internal Overload	
38			
39			
40			
41			
42			

Wiring Diagram

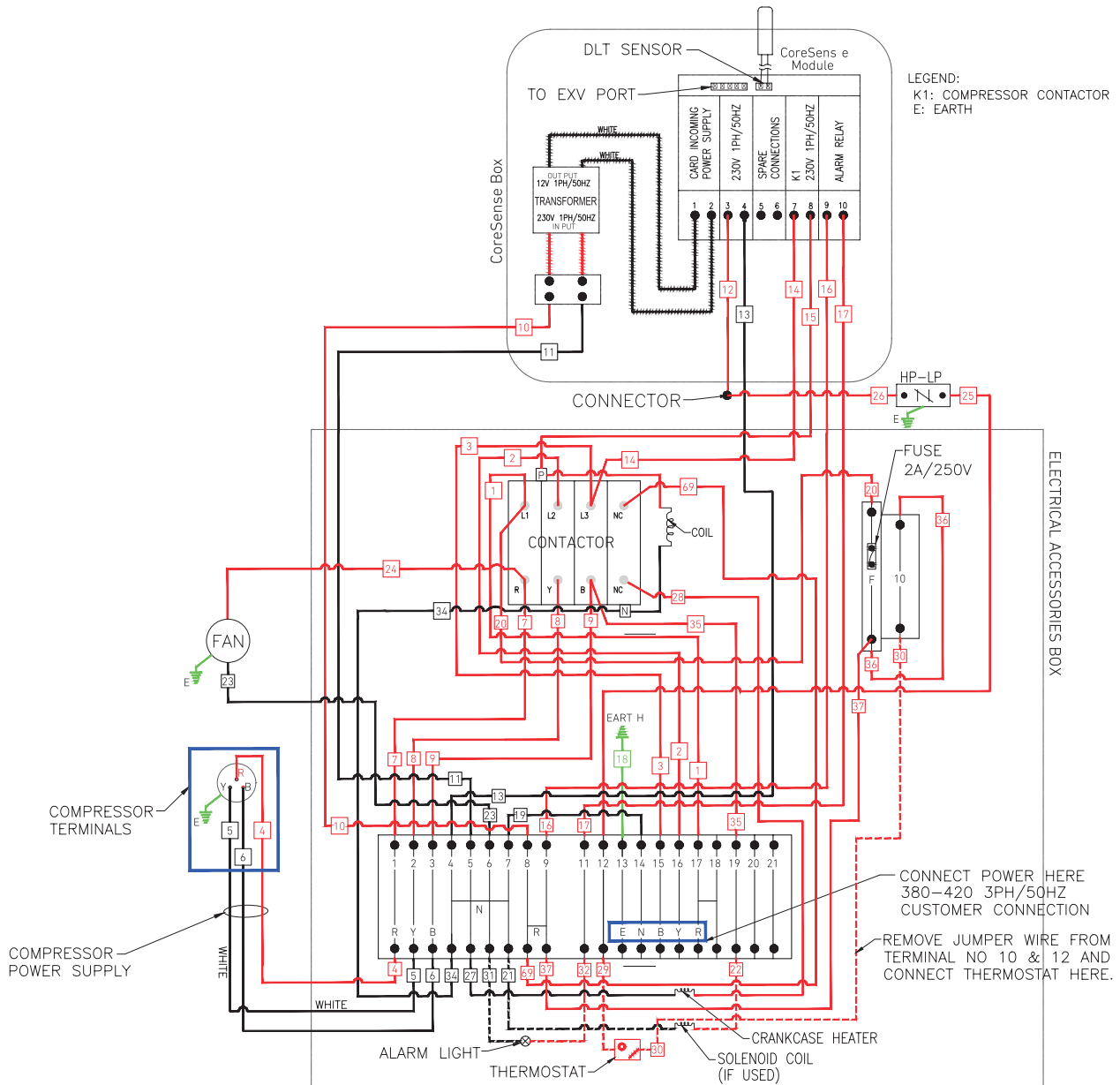
TBZS06-701, TBZS08-701



CONNECTIONS CHART	
FERRULE No. ON WIRES	USED FOR CONNECTING
23 24	TO SOLENOID COIL 230V 1PH/50Hz
21 22	TO THERMOSTAT
25 26	TO FAN
27 28	TO ALARM LIGHT
30 31	TO HP/LP
9 10 11	TO COMPRESSOR

Wiring Diagram

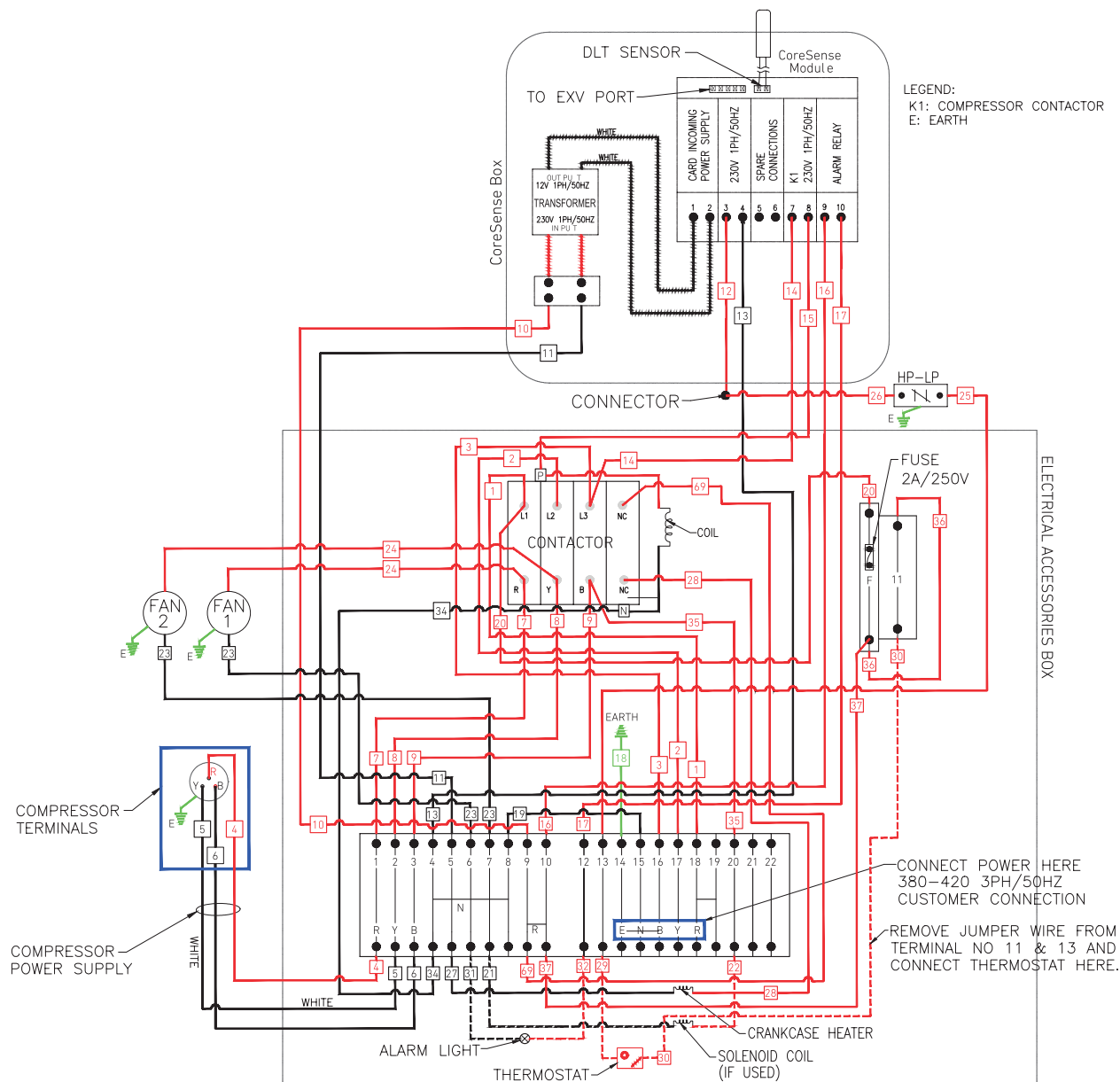
TBZS09-901, TBZS14-901, TBZS15-901



CONNECTIONS CHART	
FERRULES No. ON WIRES	USED FOR CONNECTION
21 22	TO SOLENOID COIL 230V 1PH/50Hz
29 30	TO THERMOSTAT
23 24	TO FAN
31 32	TO ALARM LIGHT
25 26	TO HP/LP
4 5 6	TO COMPRESSOR
27 28	CRANKCASE HEATER

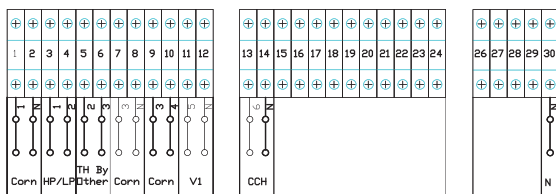
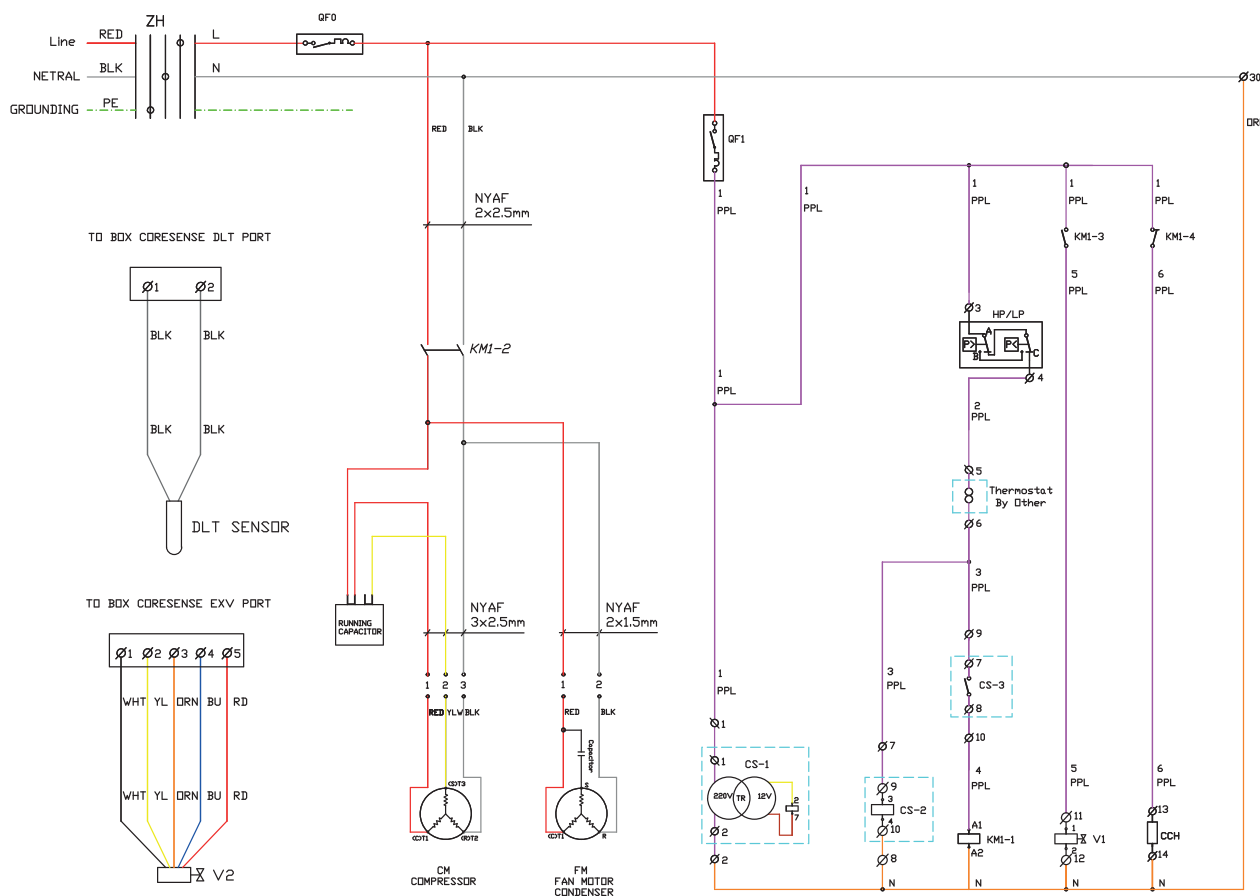
Wiring Diagram

TBZS18-901



CONNECTIONS CHART	
FERRULES No. ON WIRES	USED FOR CONNECTING
21 22	TO SOLENOID COIL 230V 1PH/50Hz
29 30	TO THERMOSTAT
23 24	TO FAN
31 32	TO ALARM LIGHT
25 26	TO HP/LP
4 5 6	TO COMPRESSOR
27 28	CRANKSPACE HEATER

TPZS08-701



Grounding	
Field Wiring	
Cable Number	7
Terminal Number	Ø9

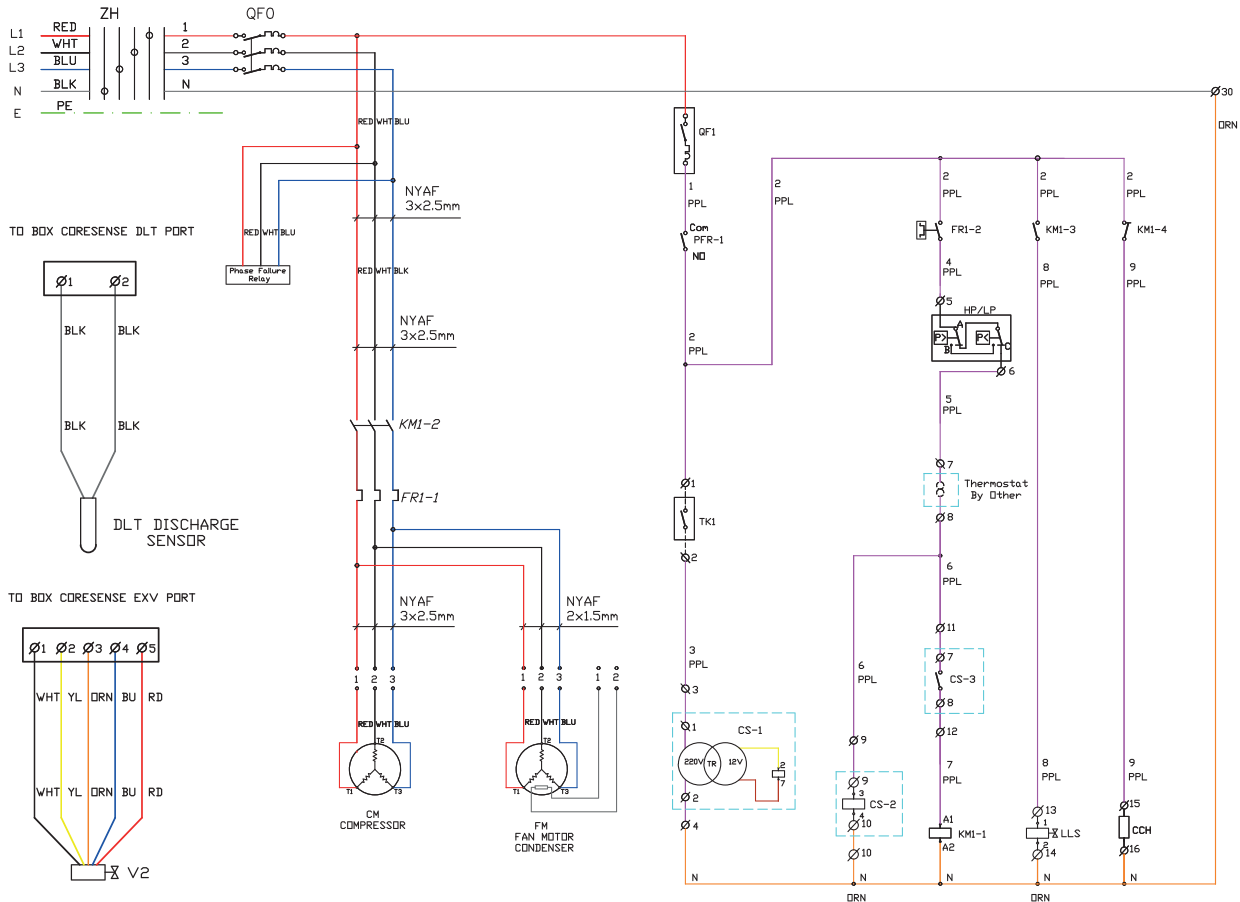
RED = Red = Line
BLK = Black = Neutral
ORN = Orange = Control
PPL = Purple = Control
GN/Y = Green/Yellow =
Earth

NO	CODE	APPLICATION	REMARK
1	ZH	Three Phase Rotary Isolator Switch	
2	CM	Compressor Motor	
3	FM	Condenser Fan Motor	
4	QF0	Main – 1 Phase	
5	QF1	Control – 1 Phase	
6	KM1	Compressor Contactor	
7	KM1-1	KM1 Coil (Control CM)	
8	KM1-2	KM1 Main Contact (Control CM)	
9	KM1-3	N/O Auxiliary Contact (Control LLS)	
10	KM1-4	N/O Auxiliary Contact (Control CCH)	
11	CS	Coreseense	
12	CS-1	CS-1 Transformer	
13	CS-2	CS1 Coil (Control KM1)	

NO	CODE	APPLICATION	REMARK
14	CS-3	N/O Auxiliary Contact (Control KM1)	
15	CCH	Compressor Crankcase Heater	
16	HP/LP	High/Low Pressure Control	
17	V1	Liquid Line Solenoid (CM)	
18	V2	Liquid Line Injection Solenoid (CM)	
19	SW	Main Switch Unit	
20	DLT	Probe Corsense	
21			
22			

Wiring Diagram

TPZS09-901, TPZS14-901, TPZS15-901



1	2	3	4	5	6	7	8	9	10	11	12
TK	FM	CM	TR	HP/LP	TH	By	Other	Coll	Conn	Cont	Conn

13	14	15	16	17	18	19	20	21	22	23	24
V1	CCH										

25	26	27	28	29	30

LEGEND

Grounding
Field Wiring
Cable Number
Terminal Number

RED = Red = L1
WHT = White = L2
BLU = Blue = L3
BLK = Black = Netral
DRN = Orange = Control
PPL = Purple = Control
GN/Y = Green/Yellow = Earth
Used AWG cable

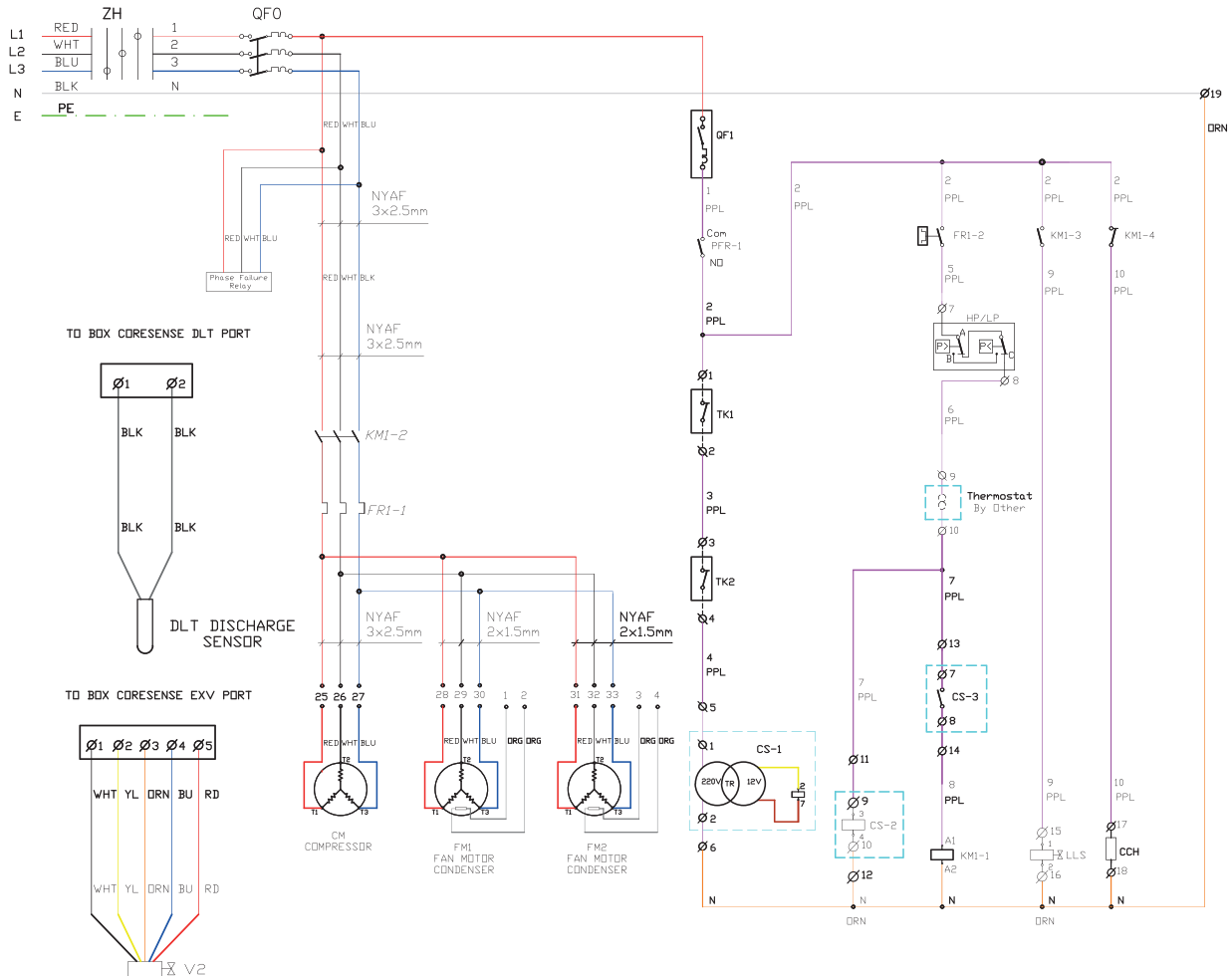
NO	CODE	APPLICATION	REMARK
1	ZH	Three Phase Rotary Isolator Switch	
2	CM	Compressor Motor	
3	FM	Condenser Fan Motor	
4	QF0	Main - 3 Phase	
5	QF1	Control -1 Phase	
6	PFR	Phase Failure Relay	
7	PFR-1	N/O Auxiliary Contact (Control)	
8	KM1	Compressor Contactor	
9	KM1-1	KM1 Coil (Control CM)	
10	KM1-2	KM1 Main Contact (Control CM)	
11	KM1-3	N/O Auxiliary Contact (Control LLS)	
12	KM1-4	N/O Auxiliary Contact (Control CCH)	
13	FR1	Thermal Overload Relay	

NO	CODE	APPLICATION	REMARK
14	FR1-1	FR1 Main Contact	
15	FR2-1	FR2 Main Contact	
16	CS	Coresense	
17	CS-1	CS1 Transformer	
18	CS-2	CS1 Coil (Control KM1)	
19	CS-3	N/O Auxiliary Contact (Control KM1)	
20	CCH	Compressor Crankcase Heater	
21	HP/LP	High/Low Pressure Control	
22	V1	Liquid Line Solenoid (CM)	
23	V2	Liquid Line Injection Solenoid (CM)	
24	DLT	Discharge Sensor Corsense	
25	TK	Thermal Overload Internal	



Wiring Diagram

TPZS18-901



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LEGEND

Grounding	---
Field Wiring	---
Cable Number	7
Terminal Number	Ø9

RED = Red = L1
WHT = White = L2
BLU = Blue = L3
BLK = Black = Netral
ORN = Orange = Control
PPL = Purple = Control
GN/Y = Green/Yellow = Earth
Used AWG cable

NO	CODE	APPLICATION	REMARK
1	ZH	Three Phase Rotary Isolator Switch	
2	CM	Compressor Motor	
3	FM1	Condenser Fan Motor Unit 1	
4	FM2	Condenser Fan Motor Unit 2	
5	QF0	Main - 3Phase	
6	QF1	Control - 1Phase	
7	PFR	Phase Failure Relay	
8	PFR-1	N/O Auxiliary Contact (Control)	
9	KM1	Compressor Contactor	
10	KM1-1	KM1 Coil (Control CM)	
11	KM1-2	KM1 Main Contact (Control CM)	
12	KM1-3	N/O Auxiliary Contact (Control LLS)	
13	KM1-4	N/O Auxiliary Contact (Control CCH)	

NO	CODE	APPLICATION	REMARK
14	KM1-5	FR1 Thermal Overload Relay	
15	FR1-1	FR1 Main Contact	
16	FR2-1	FR2 Main Contact	
17	CS	Coresense	
18	CS-1	CS1 Transformer	
19	CS-2	CS1 Coil (Control KM1)	
20	CS-3	N/O Auxiliary Contact (Control KM1)	
21	CCH	Compressor Crankcase Heater	
22	HP/LP	High/Low Pressure Control	
23	V1	Liquid Line Solenoid (CM)	
24	V2	Liquid Line Injection Solenoid (CM)	
25	DLT	Discharge Sensor Corsense	
26	TK	Thermal Overload Internal	



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