

Central Refrigeration Systems



TECHNICAL SPECIFICATIONS

- It has semi hermetic, scroll or screw type compressor.
- Be manufactured with air cooled or water cooled condenser.
- All equipments are delivered together with control instruments as being ready to assembly.
- It is delivered with positive pressure by pumping nitrogen to inside and outside unit.
- It has electrostatic painted galvanized steel frame.
- Compressors are activated fractionally
- Wide product capacity range.
- Condensers and evaporators are chosen in compliance with unit capacity.

Equipments in units

- * It can differ according to unit model
- Phase protection relay(High/Low)
- Thermal / Magnetic circuit breaker
- Contactor (in three-phase models)
- Crankcase heater
- Copper tube aluminium fin condenser
- Liquid receiver, Liquid flow control solenoid
- Dryer
- Sight glass
- Service / Maintenance valve (on the liquid line)
- Pressure switch (Low / High)
- Gas charge valve
- Check valve
- Oil filter, Oil separator, Oil tank, Oil regulator
- Invertor
- Electronic fan speed controller (in frost series)



Condenser installation options
(vertical or horizontal)

Low noise level compressor
compared to equivalents

Vibration absorbing feet

OCCT

2 Compressors Cold Series Central Units

(Evap.Temperature -5°C, Cond.Temperature +40°C) SEMI HERMETIC R404A

Type	Comp. Type	HP P	KW TP	C.O.P	Watt Q	Remote Cond. Model
OCCT/2x215 SZ	2xH405 CC	12,98	9,68	2,71	26.260	ORUC 50.12 B41 2,5
OCCT/2x255 SZ	2xH505 CC	15,37	11,46	2,75	31.460	ORUC 63.12 B31 2,5
OCCT/2x315 SZ	2xH705 CC	17,92	13,36	2,78	37.140	ORUC 63.12 C41 2,5
OCCT/2x380 SZ	2xH755 CC	20,49	15,28	2,83	43.300	ORUC 63.13 B31 2,5
OCCT/2x475 SZ	2xH1003 CC	26,69	19,90	2,91	57.820	ORUC 63.22 B31 2,5
OCCT/2x565 SZ	2xH1501 CC	32,32	24,10	2,77	66.720	ORUC 63.22 B41 2,5
OCCT/2x665 SZ	2xH2001 CC	37,31	27,82	2,83	78.600	ORUC 80.13 B31 2,5
OCCT/2x770 SZ	2xH2201 CC	42,21	31,48	2,81	88.600	ORUC 80.13 B32 2,5
OCCT/2x850 SZ	2xH2500 CC	46,77	34,88	2,88	100.340	ORUC 80.13 B41 2,5
OCCT/2x995 SZ	2xH3200 CC	56,67	42,26	2,87	121.360	ORUC 80.22 B41 2,5
OCCT/2x1155 SZ	2xH3400 CC	63,78	47,56	2,83	134.540	ORUC 80.22 B42 2,5
OCCT/2x1340 SZ	2xH4000 CC	80,08	59,72	2,72	162.280	ORUC 80.23 B31 2,5
OCCT/2x1540 SZ	2xH5000 CC	94,86	70,74	2,76	195.000	ORUC 80.23 B31 2,5
OCCT/2x1750 SZ	2xH5500 CC	103,20	76,96	2,87	221.000	ORUC 80.23 B42 2,5
OCCT/2x1750 SZ	2xH6000 CC	114,15	85,12	2,92	248.200	ORUC 80.24 C32 2,5

OFCT

2 Compressors Frost Series Central Units

(Evap.Temperature -25°C, Cond.Temperature +40°C) SEMI HERMETIC R404A

Type	Comp. Type	HP P	KW TP	C.O.P	Watt Q	Remote Cond. Model
OFCT/2x255 SZ	2xH355 CS	8,58	6,40	1,65	10.580	ORUC 50.11 B41 2,5
OFCT/2x315 SZ	2xH505 CS	11,59	8,64	1,74	15.020	ORUC 63.11 B41 2,5
OFCT/2x380 SZ	2xH705 CS	13,30	9,92	1,77	17.520	ORUC 50.12 B31 2,5
OFCT/2x475 SZ	2xH801 CS	18,26	13,62	1,75	23.880	ORUC 50.12 C41 2,5
OFCT/2x565 SZ	2xH1001 CS	20,87	15,56	1,85	28.780	ORUC 50.13 B31 2,5
OFCT/2x665 SZ	2xH1501 CS	24,46	18,24	1,83	33.420	ORUC 50.13 B41 2,5
OFCT/2x770 SZ	2xH1601 CS	27,76	20,70	1,81	37.460	ORUC 50.22 B31 2,5
OFCT/2x850 SZ	2xH2000 CS	32,10	23,94	1,75	41.960	ORUC 50.22 B41 2,5
OFCT/2x995 SZ	2xH2500 CS	35,86	26,74	1,74	46.520	ORUC 80.12 B31 2,5
OFCT/2x1155 SZ	2xH2900 CS	43,61	32,52	1,70	55.440	ORUC 80.12 C32 2,5
OFCT/2x1340 SZ	2xH3500 CS	53,00	39,52	1,71	67.460	ORUC 80.12 C42 2,5
OFCT/2x1540 SZ	2xH4000 CS	57,69	43,02	1,76	75.540	ORUC 80.13 C31 2,5
OFCT/2x1750 SZ	2xH5000 CS	65,52	48,86	1,87	91.260	ORUC 80.13 B41 2,5
OFCT/2x2070 SZ	2xH5500 CS	73,70	54,96	1,86	102.360	ORUC 80.22 B32 2,5

OCCT

3 Compressors Cold Series Central Units

(Evap.Temperature -5°C, Cond.Temperature +40°C) SEMI HERMETIC R404A

Type	Comp. Type	HP P	KW TP	C.O.P	Watt Q	Remote Cond. Model
OCCT/3x215 SZ	3XH405 CC	19,47	14,52	2,71	39.390	ORUC 63.12 C41 2,5
OCCT/3x255 SZ	3XH505 CC	23,05	17,19	2,75	47.190	ORUC 50.22 B31 2,5
OCCT/3x315 SZ	3XH705 CC	26,87	20,04	2,78	55.710	ORUC 50.22 B41 2,5
OCCT/3x380 SZ	3XH755 CC	30,74	22,92	2,83	64.950	ORUC 63.22 C31 2,5
OCCT/3x475 SZ	3XH1003 CC	40,03	29,85	2,91	86.730	ORUC 80.13 B31 2,5
OCCT/3x565 SZ	3XH1501 CC	48,48	36,15	2,77	100.080	ORUC 80.13 B41 2,5
OCCT/3x665 SZ	3XH2001 CC	55,96	41,73	2,83	117.900	ORUC 80.22 C31 2,5
OCCT/3x770 SZ	3XH2201 CC	63,32	47,22	2,81	132.900	ORUC 80.22 B42 2,5
OCCT/3x850 SZ	3XH2500 CC	70,16	52,32	2,88	150.510	ORUC 80.22 C42 2,5
OCCT/3x995 SZ	3XH3200 CC	85,01	63,39	2,87	182.040	ORUC 80.23 B32 2,5
OCCT/3x1155 SZ	3XH3400 CC	95,67	71,34	2,83	201.810	ORUC 80.23 B42 2,5
OCCT/3x1340 SZ	3XH4000 CC	120,13	89,58	2,72	243.420	ORUC 80.24 C32 2,5
OCCT/3x1540 SZ	3XH5000 CC	142,29	106,11	2,76	292.500	ORUC 80.24 C42 2,5
OCCT/3x1750 SZ	3XH5500 CC	154,81	115,44	2,87	331.500	ORUC 80.25 C32 2,5
OCCT/3x2070 SZ	3XH6000 CC	171,22	127,68	2,92	372.300	ORUC 80.26 C31 2,5

OFCT

3 Compressors Frost Series Central Units

(Evap.Temperature -25°C, Cond.Temperature +40°C) SEMI HERMETIC R404A

Type	Comp. Type	HP P	KW TP	C.O.P	Watt Q	Remote Cond. Model
OFCT/3x255 SZ	3xH355 CS	12,87	9,60	1,65	15.870	ORUC 50.12 B31 2,5
OFCT/3x315 SZ	3xH355 CS	17,38	12,96	1,74	22.530	ORUC 50.12 B41 2,5
OFCT/3x380 SZ	3xH705 CS	19,95	14,88	1,77	26.280	ORUC 50.13 B31 2,5
OFCT/3x475 SZ	3xH801 CS	27,40	20,43	1,75	35.820	ORUC 50.13 C41 2,5
OFCT/3x565 SZ	3xH1001 CS	31,30	23,34	1,85	43.170	ORUC 63.13 C31 2,5
OFCT/3x665 SZ	3xH1501 CS	36,69	27,36	1,83	50.130	ORUC 63.13 C41 2,5
OFCT/3x770 SZ	3xH1601 CS	41,64	31,05	1,81	56.190	ORUC 63.22 C31 2,5
OFCT/3x850 SZ	3xH2000 CS	48,16	35,91	1,75	62.940	ORUC 80.12 C42 2,5
OFCT/3x995 SZ	3xH2500 CS	53,79	40,11	1,74	69.780	ORUC 80.13 B31 2,5
OFCT/3x1155 SZ	3xH2900 CS	65,41	48,78	1,70	83.160	ORUC 80.13 B41 2,5
OFCT/3x1340 SZ	3xH3500 CS	79,49	59,28	1,71	101.190	ORUC 80.13 B42 2,5
OFCT/3x1540 SZ	3xH4000 CS	86,53	64,53	1,76	113.310	ORUC 80.22 C32 2,5
OFCT/3x1750 SZ	3xH5000 CS	98,28	73,29	1,87	136.890	ORUC 80.22 C42 2,5
OFCT/3x2070 SZ	3xH5500 CS	110,55	82,44	1,86	153.540	ORUC 80.23 C31 2,5

OCCT 4 Compressors Frost Series Central Units

(Evap.Temperature -5°C, Cond.Temperature +40°C) SEMI HERMETIC R404A

Type	Comp. Type	HP P	KW TP	C.O.P	Watt Q	Remote Cond. Model
OCCT/4x215 SZ	4xH405 CC	25,96	19,36	2,71	52.520	ORUC 50.22 B41 2,5
OCCT/4x255 SZ	4xH505 CC	30,74	22,92	2,75	62.920	ORUC 63.22 B31 2,5
OCCT/4x315 SZ	4xH705 CC	35,83	26,72	2,78	74.280	ORUC 63.22 C41 2,5
OCCT/4x380 SZ	4xH755 CC	40,98	30,56	2,83	86.600	ORUC 80.13 B31 2,5
OCCT/4x475 SZ	4xH1003 CC	53,37	39,80	2,91	115.640	ORUC 80.13 B42 2,5
OCCT/4x565 SZ	4xH1501 CC	64,64	48,20	2,77	133.440	ORUC 80.22 B42 2,5
OCCT/4x665 SZ	4xH2001 CC	74,61	55,64	2,83	157.200	ORUC 80.22 C42 2,5
OCCT/4x770 SZ	4xH2201 CC	84,43	62,96	2,81	177.200	ORUC 80.23 B32 2,5
OCCT/4x850 SZ	4xH2500 CC	93,55	69,76	2,88	200.680	ORUC 80.23 B42 2,5
OCCT/4x995 SZ	4xH3200 CC	113,34	84,52	2,87	242.720	ORUC 80.24 C32 2,5
OCCT/4x1155 SZ	4xH3400 CC	127,56	95,12	2,83	269.080	ORUC 80.24 C41 2,5
OCCT/4x1340 SZ	4xH4000 CC	160,17	119,44	2,72	324.560	ORUC 80.25 C32 2,5
OCCT/4x1540 SZ	4xH5000 CC	189,72	141,48	2,76	324.560	ORUC 80.26 C32 2,5
OCCT/4x1750 SZ	4xH5500 CC	206,41	153,92	2,87	442.000	ORUC 80.26 C42 2,5
OCCT/4x2070 SZ	4xH6000 CC	228,29	170,24	2,92	496.400	2x ORUC 80.24 C32 2,5

* It can be manufactured with 5 compressors depending on capacity.

OFCT 4 Compressors Frost Series Central Units

(Evap.Temperature -25°C, Cond.Temperature +40°C SEMI HERMETIC R404A

Type	Comp. Type	HP P	KW TP	C.O.P	Watt Q	Remote Cond. Model
OFCT/4x255 SZ	4xH355 CS	17,16	12,80	1,65	21.160	ORUC 50.12 B41 2,5
OFCT/4x315 SZ	4xH505 CS	23,17	17,28	1,74	30.040	ORUC 50.13 B31 2,5
OFCT/4x380 SZ	4xH705 CS	26,61	19,84	1,77	35.040	ORUC 50.13 C41 2,5
OFCT/4x475 SZ	4xH801 CS	36,53	27,24	1,75	47.760	ORUC 50.22 B41 2,5
OFCT/4x565 SZ	4xH1001 CS	41,73	31,12	1,85	57.560	ORUC 80.12 C32 2,5
OFCT/4x665 SZ	4xH1501 CS	48,92	36,48	1,83	66.840	ORUC 80.12 C42 2,5
OFCT/4x770 SZ	4xH1601 CS	55,52	41,40	1,81	74.920	ORUC 80.13 B31 2,5
OFCT/4x850 SZ	4xH2000 CS	64,21	47,88	1,75	83.920	ORUC 80.13 B41 2,5
OFCT/4x995 SZ	4xH2500 CS	71,72	53,48	1,74	93.040	ORUC 80.13 B42 2,5
OFCT/4x1155 SZ	4xH2900 CS	87,22	65,04	1,70	110.880	ORUC 80.22 C32 2,5
OFCT/4x1340 SZ	4xH3500 CS	105,99	79,04	1,71	134.920	ORUC 80.22 C42 2,5
OFCT/4x1540 SZ	4xH4000 CS	115,38	86,04	1,76	151.080	ORUC 80.23 C31 2,5
OFCT/4x1750 SZ	4xH5000 CS	131,04	97,72	1,87	182.520	ORUC 80.23 C41 2,5
OFCT/4x2070 SZ	4xH5500 CS	147,40	109,92	1,86	204.720	ORUC 80.24 C32 2,5