Scroll Compressors

INVOTECH



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Hermetic Compressors Provider

HP & Chiller Application - YW SERIES for R454C

Model	Power Source [ph/V/Hz]	Cooling Capacity [kW]	COP [W/W]	Displacement		Power [HP]
				[cc/rev]	[m³/h]	
YW38U1	3ph 380-420/50 - 460/60	3,40	3,08	21,0	3,7	1,2
YW47U1	3ph 380-420/50 - 460/60	4,70	3,08	29,0	5,1	1,8
YW55U1	3ph 380-420/50 - 460/60	5,54	3,15	34,0	5,9	2,0
YW63U1	3ph 380-420/50 - 460/60	6,22	3,16	39,0	6,8	2,5
YW76U1	3ph 380-420/50 - 460/60	7,59	3,20	47,0	8,2	3,0
YW93U1	3ph 380-420/50 - 460/60	9,45	3,21	58,0	10,1	3,5
YW110U1	3ph 380-420/50 - 460/60	11,05	3,15	67,8	11,8	4,0
YW135U1	3ph 380-420/50 - 460/60	13,57	3,20	83,3	14,5	5,0
YW160U1	3ph 380-420/50 - 460/60	16,01	3,13	98,3	17,1	6,0
YW185U1	3ph 380-420/50 - 460/60	17,60	3,20	108,0	18,8	7,0
YW200U1	3ph 380-420/50 - 460/60	20,04	3,15	123,0	21,4	8,0
YW245U1	3ph 380-420/50 - 460/60	23,69	3,13	145,4	25,3	9,0
YW285U1	3ph 380-420/50 - 460/60	27,24	3,24	167,2	29,1	10,0
YW320U1	3ph 380-420/50 - 460/60	31,13	3,25	189,1	32,9	12,0

HP & Chiller Application - YW SERIES for R290

Model	Power Source [ph/V/Hz]	Cooling Capacity [kW]	COP [W/W]	Displacement		Power [HP]
				[cc/rev]	[m³/h]	
YW46P1	3ph 380-420/50 - 460/60	5,20	2,75	33,3	5,8	2,0
YW55P1	3ph 380-420/50 - 460/60	6,79	3,17	42,0	7,3	2,5
YW62P1	3ph 380-420/50 - 460/60	7,54	3,11	46,6	8,1	3,0
YW78P1	3ph 380-420/50 - 460/60	9,38	3,15	58,0	10,1	3,5
YW91P1	3ph 380-420/50 - 460/60	10,97	3,26	67,8	11,8	4,0
YW110P1	3ph 380-420/50 - 460/60	13,47	3,32	83,3	14,5	5,0
YW130P1	3ph 380-420/50 - 460/60	15,90	3,35	98,3	17,1	6,0
YW143P1	3ph 380-420/50 - 460/60	17,44	3,35	108,0	18,8	7,0
YW158P1	3ph 380-420/50 - 460/60	18,18	3,24	115,5	20,1	7,5
YW167P1	3ph 380-420/50 - 460/60	20,07	3,35	123,0	21,4	8,0
YW200P1	3ph 380-420/50 - 460/60	23,73	3,35	145,4	25,3	9,0
YW225P1	3ph 380-420/50 - 460/60	26,72	3,46	167,2	29,1	10,0

Rated Test Condition:

Condensing Temp.	54,4°C
Evaporating Temp.	7,2°C
Liquid Temp.	46,1°C
Ambient Temp.	35,0°C
Suction Temp.	18,3°C

A/C & Chiller Application - YH SERIES for R407C / R513A* / R134a*

Model	Power Source [ph/V/Hz]	Cooling Capacity [kW]	COP [W/W]	Displacement		Power [HP]
				[cc/rev]	[m³/h]	
YH69T1	3ph 380-420/50 - 460/60	6,53	3,02	38,5	6,7	2,0
YH89T1	3ph 380-420/50 - 460/60	8,54	3,19	49,4	8,6	3,0
YH104T1	3ph 380-420/50 - 460/60	10,18	3,19	59,2	10,3	3,5
YH119T1	3ph 380-420/50 - 460/60	11,42	3,22	66,1	11,5	4,0
YH133T1	3ph 380-420/50 - 460/60	12,77	3,27	74,1	12,9	4,5
YH150T1	33ph 380-420/50 - 460/60	14,40	3,27	83,3	14,5	5,0
YH175T1	3ph 380-420/50 - 460/60	16,51	3,28	97,1	16,9	6,0
YH200T1	3ph 380-420/50 - 460/60	20,11	3,40	108,0	18,8	7,0
YH230T1	3ph 380-420/50 - 460/60	22,18	3,28	123,0	21,4	8,0
YH266T1	3ph 380-420/50 - 460/60	25,53	3,28	142,0	24,7	9,0
YH307T1	3ph 380-420/50 - 460/60	29,47	3,31	167,2	29,1	10,0
YH355T1	3ph 380-420/50 - 460/60	34,08	3,33	189,1	32,9	12,0
YH450T1	3ph 380-420/50 - 460/60	44,34	3,31	255,8	44,5	15,0
YH610T1	3ph 380-420/50 - 460/60	58,10	3,32	332,6	57,9	20,0
YH720T1	3ph 380-420/50 - 460/60	68,35	3,35	391,8	68,2	25,0

*Cooling Capacity in R513A / R134a ≈ -30% Cooling Capacity in R407C

A/C & Chiller Application - YH SERIES for R454B / R410A*

Model	Power Source [ph/V/Hz]	Cooling Capacity [kW]	COP [W/W]	Displacement		Power [HP]
				[cc/rev]	[m³/h]	
YA40B1	3ph 380-420/50 - 460/60	9,16	3,00	38,5	6,7	3,5
YA42B1	3ph 380-420/50 - 460/60	10,09	3,04	41,4	7,2	3,7
YA50B1	3ph 380-420/50 - 460/60	11,71	3,12	46,0	8,0	4,0
YA52B1	3ph 380-420/50 - 460/60	12,30	3,22	49,4	8,6	4,3
YA59B1	3ph 380-420/50 - 460/60	14,09	3,15	59,2	10,3	5,0
YA69B1	3ph 380-420/50 - 460/60	16,51	3,15	66,1	11,5	6,0
YA74B1	3ph 380-420/50 - 460/60	17,72	3,19	71,3	12,4	6,5
YA78B1	3ph 380-420/50 - 460/60	18,79	3,25	74,6	13,0	7,0
YA98B1	3ph 380-420/50 - 460/60	23,14	3,32	90,8	15,8	8,0
YA108B1	3ph 380-420/50 - 460/60	25,78	3,30	100,0	17,4	9,0
YA119B1	3ph 380-420/50 - 460/60	28,03	3,30	107,5	18,7	10,0
YA128B1	3ph 380-420/50 - 460/60	30,64	3,25	123,0	21,4	11,0
YA133B1	3ph 380-420/50 - 460/60	31,96	3,29	131,6	22,9	12,0
YH450C1*	3ph 380-420/50 - 460/60	44,50	3,15	167,2	29,1	15,0
YH610C1*	3ph 380-420/50 - 460/60	62,60	3,22	235,6	41,0	20,0
YH720C1*	3ph 380-420/50 - 460/60	71,20	3,26	269,0	46,8	25,0
YH880C1*	3ph 380-420/50 - 460/60	86,00	3,31	332,6	57,9	30,0

Rated Test Condition:

Condensing Temp.	54,4°C
Evaporating Temp.	7,2°C
Liquid Temp.	46,1°C
Ambient Temp.	35,0°C
Suction Temp.	18,3°C

Mid Temperature Application - YM SERIES for R454C / R290 / R449A *

Model	Power Source [ph/V/Hz]	Cooling Capacity [kW]	COP [W/W]	Displacement		Power [HP]
				[cc/rev]	[m³/h]	
YM34U1	3ph 380-420/50 - 460/60	3,20	2,04	33,3	5,8	2,0
YM43U1	3ph 380-420/50 - 460/60	4,02	2,08	42,0	7,3	2,5
YM49U1	3ph 380-420/50 - 460/60	4,44	2,12	46,6	8,1	3,0
YM60U1	3ph 380-420/50 - 460/60	5,58	2,17	58,0	10,1	3,5
YM70U1	3ph 380-420/50 - 460/60	6,52	2,23	67,8	11,8	4,0
YM86U1	3ph 380-420/50 - 460/60	7,88	2,23	83,3	14,5	5,0
YM102U1	3ph 380-420/50 - 460/60	9,30	2,26	98,3	17,1	6,0
YM115U1	3ph 380-420/50 - 460/60	10,22	2,26	108,0	18,8	7,0
YM125U1	3ph 380-420/50 - 460/60	10,85	2,17	115,5	20,1	7,5
YM132U1	3ph 380-420/50 - 460/60	11,53	2,23	123,0	21,4	8,0
YM158U1	3ph 380-420/50 - 460/60	13,99	2,24	145,4	25,3	9,0
YM182U1	3ph 380-420/50 - 460/60	15,45	2,28	167,2	29,1	10,0
YM200U1	3ph 380-420/50 - 460/60	16,99	2,21	189,1	32,9	12,0
YM210U1	3ph 380-420/50 - 460/60	18,82	2,23	197,1	34,3	13,0

*Cooling Capacity / Input power may vary depending on refrigerant

Rated Test Condition:

Condensing Temp.	48,9°C
Evaporating Temp.	-6,7°C
Ambient Temp.	35,0°C
Suction Temp.	4,4°C

Low Temperature Application - YF SERIES for R454C / R449A*

Model	Power Source [ph/V/Hz]	Cooling Capacity [kW]	COP [W/W]	Displacement		Power [HP]
				[cc/rev]	[m³/h]	
YF13E1	3ph 380-420/50 - 460/60	1,39	1,12	33,3	5,8	2,0
YF17E1	3ph 380-420/50 - 460/60	1,76	1,13	42,0	7,3	2,5
YF20EI	3ph 380-420/50 - 460/60	2,08	1,14	46,6	8,1	3,0
YF25E1	3ph 380-420/50 - 460/60	2,70	1,16	58,0	10,1	3,5
YF29E1	3ph 380-420/50 - 460/60	3,15	1,25	67,8	11,8	4,0
YF35E1	3ph 380-420/50 - 460/60	3,73	1,29	83,3	14,5	5,0
YF41E1	3ph 380-420/50 - 460/60	4.73	1,30	98,3	17,1	6,0
YF45E1	3ph 380-420/50 - 460/60	5,08	1,37	108,0	18,8	7,0
YF56E1	3ph 380-420/50 - 460/60	5,56	1,22	123,0	21,4	8,0
YF65E1	3ph 380-420/50 - 460/60	6,75	1,30	145,4	25,3	9,0
YF72E1	3ph 380-420/50 - 460/60	7,62	1,30	167,2	29,1	10,0
YF80E1	3ph 380-420/50 - 460/60	8,66	1,31	189,1	32,9	12,0
YF135E1	3ph 380-420/50 - 460/60	18,00	1,67	265,5	46,3	16,0
YF170E1	3ph 380-420/50 - 460/60	21,43	1,74	332,8	58,0	22,0
YF200E1	3ph 380-420/50 - 460/60	25,24	1,74	392,0	68,3	25,0

10/2026

*Cooling Capacity / Input power may vary depending on refrigerant

Rated Test Condition:

Condensing Temp.	40,6°C
Evaporating Temp.	-31,6°C
Ambient Temp.	35,0°C
Suction Temp.	4,4°C

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