tecumseh

50 Hz
60 Hz

COMPRESSOR LINE-UP

2 ⇨ 145CC



TC · AE · AL · AJ · FH · AG

built to last
robust reciprocating compressors for light commercial and commercial refrigeration

wide capacity range
complete portfolio from 2 to 145 cm^3 to fit every application

eco-friendly
available for eco-friendly refrigerant R290, compatbility with A2L & A1

REFRIGERANTS

R290 LOW-GWP
A2L LOW-GWP
A1

APPLICATIONS

beverage cooler
ice cream freezer
chest freezer
display case
supermarket island
multi-door merchandiser
cold room

TECHNOLOGIES

reciprocating
fixed speed
alternate current

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NOMENCLATURE

AE	2	4	10	U	FZ	1A
compressor family	**application**	**number of digits making up the cooling capacity**	**first digits of cooling capacity**	**refrigerant**	**voltage**	**release variant**
TC AE AL AJ FH AG	2 : Low Back Pressure - Motor with Low Starting Torque 3 : High Back Pressure - Motor with High normal Starting Torque 4 : High Back Pressure - Motor with High Starting Torque	Example: 5,651 BTU/h	Corresponds to the first digits of the cooling capacity expressed in BTU/h	U : R-290 Y : R-134a R-513A Z, P : R-455A R-454C R-404A R-448A R-449A R-452A R-22 N : R-134a R-1234yf R-513A	GS : 220V 50Hz 1~ FZ : 220-240V 50Hz 1~ GE, UZ : 230V 50Hz 1~ WZ : 208-230V 50Hz 1~	



TC SERIES

COOLING PERFORMANCE



LOW MEDIUM BACK PRESSURE (LMBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	ASHRAE Evap -35°C / Cond 40°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-290	TCW330U-GS6D	1.83	CSIR	220V 50Hz 1~	66	0.94
	TCW350U-GS8B	2.72	CSIR	220V 50Hz 1~	126	1.33
	TCW350U-GS1B	2.72	PTCS_IR	220V 50Hz 1~	126	1.33
	TCW360U-GS8A	3.14	CSIR	220V 50Hz 1~	110	1.34
	TCW360U-GS3H	3.14	PTCS_CR	220V 50Hz 1~	155	1.62
	TCW380U-GS3H	4.19	PTCS_CR	220V 50Hz 1~	202	1.61
	TCW380U-GS8A	4.19	CSIR	220V 50Hz 1~	205	1.31
	TCW390U-GS8E	4.75	CSIR	220V 50Hz 1~	223	1.39
	TCW410U-GS3H	6.06	PTCS_CR	220V 50Hz 1~	276	1.49
	TCW410U-GS8E	6.06	CSIR	220V 50Hz 1~	287	1.39
	TCW410U-GE3B	6.06	PTCS_CR	230V 50Hz 1~	288	1.6
	TCW413U-GS3H	6.93	PTCS_CR	220V 50Hz 1~	337	1.61
	TCW413U-GS8E	6.93	CSIR	220V 50Hz 1~	334	1.44
	TCW413U-FZ7C	6.93	PTCS_CR	220-240V 50Hz 1~	333	1.66
	TCX415U-GS8B	7.84	CSIR	220V 50Hz 1~	381	1.37
	TCW415U-FZ3K	7.84	PTCS_CR	220V 50Hz 1~	385	1.66
R-134a R-513A	TCW350Y-FZ1K	4.19	RSIR	220-240V 50Hz 1~	123	1.41
	TCW380Y-GS8K	6.93	CSIR	220V 50Hz 1~	199	1.25
	TCW380Y-FZ1K	6.93	RSIR	220-240V 50Hz 1~	196	1.36
R-134a	TCW390Y-GS8E	7.84	CSIR	220V 50Hz 1~	237	1.42
	TCW410Y-FZ7C	9.74	PTCS_CR	220-240V 50Hz 1~	271	1.54
	TCW410Y-FZ8E	9.74	CSIR	220-240V 50Hz 1~	270	1.38
	TCW413Y-FZ7C	10.87	PTCS_CR	220-240V 50Hz 1~	306	1.49
	TCW413Y-FZ8E	10.87	CSIR	220-240V 50Hz 1~	300	1.33

HIGH BACK PRESSURE (HBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	ASHRAE Evap 5°C / Cond 50°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-290	TC3415U-GE3B	2.72	PTCS_CR	230V 50Hz 1~	366	2.77
	TC4415U-WZ1A	2.72	CSIR	208-230V 50Hz 1~	381	2.63
	TC4425U-GS1B	4.75	CSIR	220V 50Hz 1~	659	2.74
	TC3425U-GE3B	4.75	PTCS_CR	230V 50Hz 1~	650	2.89
	TC4430U-FZ1B	6.06	CSIR	220-240V 50Hz 1~	850	2.73
	TC4430U-GE3B	6.06	CSR	230V 50Hz 1~	817	2.72
	TC4440U-FZ1B	7.84	CSIR	220-240V 50Hz 1~	1087	2.44
	TC4440U-GE3B	7.84	CSR	230V 50Hz 1~	1090	2.6

AE SERIES

COOLING PERFORMANCE

LOW BACK PRESSURE (LBP)



refrigerant	model	disp. (cm^3)	motor	voltage & frequency	ASHRAE Evap -35°C / Cond 40°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-290	AE2410U-FZ1A	6.12	CSIR	220-240V 50Hz 1~	249	1.23
	AE2415U-FZ1A	8.85	CSIR	220-240V 50Hz 1~	366	1.25
	AE2420U-FZ1B	10.96	CSIR	220-240V 50Hz 1~	498	1.28
R-134a	AE2390Y-FZ1A	8.02	CSIR	220-240V 50Hz 1~	218	1.17
	AE1390Y-FZ1A	8.02	CSIR	220-240V 50Hz 1~	214	1.16
	AE2410Y-FZ1A	9.39	CSIR	220-240V 50Hz 1~	240	1.17
	AE2413Y-FZ1A	12.01	CSIR	220-240V 50Hz 1~	322	1.22
	AE2415Y-FZ1B	12.48	CSIR	220-240V 50Hz 1~	361	1.35
R-404A	AE2410Z-GS1A	5.02	CSIR	220V 50Hz 1~	249	1.11
	AE2410P-FZ1A	5.02	CSIR	220-240V 50Hz 1~	249	1.15
	AE2410Z-FZ1A	5.02	CSIR	220-240V 50Hz 1~	249	1.15
	AE2413Z-GS1A	6.12	CSIR	220V 50Hz 1~	381	1.28
	AE2415Z-FZ1B	7.33	CSIR	220-240V 50Hz 1~	381	1.24
	AE2415P-FZ1B	7.33	CSIR	220-240V 50Hz 1~	381	1.24
	AE2415Z-GS1A	7.33	CSIR	220V 50Hz 1~	366	1.2
	AE2420Z-GS1B	9.33	CSIR	220V 50Hz 1~	498	1.28
	AE2420P-FZ1B	9.33	CSIR	220-240V 50Hz 1~	469	1.3
	AE1420Z-FZ1B	9.35	CSIR	220-240V 50Hz 1~	469	1.29
	AE2425Z-GS3C	12.01	CSR	220V 50Hz 1~	659	1.37
	AE2425Z-FZ1C	12.01	CSIR	220-240V 50Hz 1~	659	1.3
	AE2425Z-FZ3C	12.01	CSR	220-240V 50Hz 1~	659	1.45
	AE2425Z-GS3B	12.01	CSR	220V 50Hz 1~	659	1.37
	AE2425P-FZ1C	12.01	CSIR	220-240V 50Hz 1~	659	1.3
	AE2430Z-FZ3C	14.51	CSR	220-240V 50Hz 1~	791	1.35
	AE2430Z-GS3C	14.51	CSR	220V 50Hz 1~	777	1.31

LOW MEDIUM BACK PRESSURE (LMBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	ASHRAE Evap -35°C / Cond 40°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-290	AEX419U-FZ1C	10.33	CSIR	220-240V 50Hz 1~	478	1.43
	AEX424U-FZ3B	12.01	CSR	220-240V 50Hz 1~	504	1.52
	AEX428U-FZ3B	13.24	CSR	220-240V 50Hz 1~	611	1.48
	AEX433U-FZ3C	15.09	CSR	220-240V 50Hz 1~	714	1.53
R-134a	AEW415Y-FZ8A	12.48	CSIR	220-240V 50Hz 1~	346	1.25
	AEW415Y-GS8B	12.48	CSIR	220V 50Hz 1~	366	1.29

AE SERIES

COOLING PERFORMANCE

HIGH BACK PRESSURE (HBP)



refrigerant	model	disp. (cm^3)	motor	voltage & frequency	ASHRAE Evap 5°C / Cond 50°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-290	AE4425U-FZ1A	5.02	CSIR	220-240V 50Hz 1~	659	2.59
	AE4430U-FZ1A	6.12	CSIR	220-240V 50Hz 1~	791	2.51
	AE4440U-FZ1A	8.02	CSIR	220-240V 50Hz 1~	1055	2.59
	AE4450U-FZ1A	10.33	CSIR	220-240V 50Hz 1~	1392	2.49
	AE4460U-FZ1C	12.01	CSIR	220-240V 50Hz 1~	1641	2.59
	AE4460U-UZ3A	12.01	PSC	230V 50Hz 1~	1670	2.78
R-134a	AE4425Y-FZ1A	6.69	CSIR	220-240V 50Hz 1~	674	2.42
	AE4425Y-GS1A	6.69	CSIR	220V 50Hz 1~	689	2.48
	AE4430Y-FZ1A	8.02	CSIR	220-240V 50Hz 1~	821	2.44
	AE4430Y-GS1A	8.02	CSIR	220V 50Hz 1~	821	2.26
	AE3440Y-FZ1A	10.3	RSIR	220-240V 50Hz 1~	907	2.33
	AE4440Y-GS1A	10.33	CSIR	220V 50Hz 1~	1070	2.36
	AE4440Y-FZ1A	10.33	CSIR	220-240V 50Hz 1~	1070	2.39
	AE4450Y-GS3C	13.24	CSR	220V 50Hz 1~	1373	2.56
	AE4450Y-FZ1C	13.24	CSIR	220-240V 50Hz 1~	1363	2.41
	AE4450Y-FZ1B	13.24	CSIR	220-240V 50Hz 1~	1363	2.41
	AE4456Y-FZ1C	14.51	CSIR	220-240V 50Hz 1~	1466	2.3
	AE4456Y-GS3C	14.51	CSR	220V 50Hz 1~	1524	2.65
	AE4460Y-FZ3C	15.09	CSR	220-240V 50Hz 1~	1539	2.51
	AE4460Y-FZ1C	15.09	CSIR	220-240V 50Hz 1~	1539	2.31
	AE4460Y-GS3C	15.09	CSR	220V 50Hz 1~	1597	2.47
R-134a R-1234yf R-513A	AE4425N-FZ1A	6.69	CSIR	220-240V 50Hz 1~	645	2.36
	AE4430N-FZ1A	8.02	CSIR	220-240V 50Hz 1~	791	2.33
	AE4440N-FZ1A	10.33	CSIR	220-240V 50Hz 1~	1011	2.27
	AE4450N-FZ1C	13.24	CSIR	220-240V 50Hz 1~	1334	2.36
	AE4456N-FZ1C	14.51	CSIR	220-240V 50Hz 1~	1436	2.28
	AE4460N-FZ1C	15.09	CSIR	220-240V 50Hz 1~	1446	2.23
R-404A	AE4425Z-GS1A	4.24	CSIR	220V 50Hz 1~	689	2.22
	AE4425Z-FZ1A	4.24	CSIR	220-240V 50Hz 1~	674	2.25
	AE4430Z-FZ1A	5.16	CSIR	220-240V 50Hz 1~	821	2.34
	AE4430Z-GS1A	5.16	CSIR	220V 50Hz 1~	835	2.36
	AE4440Z-GS1C	6.69	CSIR	220V 50Hz 1~	1070	2.17
	AE4440Z-FZ1A	6.69	CSIR	220-240V 50Hz 1~	1055	2.28
	AE4450Z-GS3B	8.85	CSR	220V 50Hz 1~	1436	2.39
	AE4450Z-FZ1A	8.85	CSIR	220-240V 50Hz 1~	1407	2.22
	AE4460Z-FZ1C	10.33	CSIR	220-240V 50Hz 1~	1539	2.31
	AE4460Z-GS3C	10.33	CSR	220V 50Hz 1~	1685	2.39
	AE4470Z-FZ3C	12.01	CSR	220-240V 50Hz 1~	1934	2.29
	AE4470Z-FZ3D	12.01	NTCCSR	220-240V 50Hz 1~	1934	2.29
R-404A R-448A R-449A R-452A R-454C R-455A	AE4425P-FZ1A	4.24	CSIR	220-240V 50Hz 1~	674	2.25
	AE4430P-FZ1A	5.16	CSIR	220-240V 50Hz 1~	821	2.34
	AE4440P-FZ1A	6.69	CSIR	220-240V 50Hz 1~	1055	2.28
	AE4450P-FZ1A	8.85	CSIR	220-240V 50Hz 1~	1407	2.22
	AE4460P-FZ1B	10.33	CSIR	220-240V 50Hz 1~	1656	2.24
	AE4470P-FZ3C	12.01	CSR	220-240V 50Hz 1~	1934	2.29

AL SERIES

COOLING PERFORMANCE

LOW MEDIUM BACK PRESSURE (LMBP)



refrigerant	model	disp. (cm³)	motor	voltage & frequency	ASHRAE Evap -35°C / Cond 40°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-290	ALX430U-FZ1A	15.10	CSIR	220-240V 50Hz 1~	674	1.5
	ALX430U-FZ3A	15.10	CSR	220-240V 50Hz 1~	674	1.72
	ALX430U-FZ3B	15.10	NTCCSR	220-240V 50Hz 1~	674	1.72
	ALX430U-FZ3C	15.10	NTCCSR	220-240V 50Hz 1~	674	1.53
	ALX435U-FZ3A	17.71	CSR	220-240V 50Hz 1~	835	1.7
	ALX435U-FZ3B	17.71	NTCCSR	220-240V 50Hz 1~	835	1.7
	ALX435U-FZ3C	17.71	NTCCSR	220-240V 50Hz 1~	835	1.55
	ALX435U-FZ1A	17.71	CSIR	220-240V 50Hz 1~	835	1.53
	ALX440U-FZ3A	19.95	CSR	220-240V 50Hz 1~	935	1.67
	ALX440U-FZ3B	19.95	NTCCSR	220-240V 50Hz 1~	935	1.67
	ALX440U-FZ3C	19.95	NTCCSR	220-240V 50Hz 1~	935	1.6
R-404A R-448A R-449A R-22	ALX430Z-FZ1A	15.10	CSIR	220-240V 50Hz 1~	791	1.35
	ALX440Z-FZ3A	19.95	CSR	220-240V 50Hz 1~	1043	1.47
	ALX445Z-FZ3A	19.95	NTCCSR	220-240V 50Hz 1~	1084	1.54

HIGH BACK PRESSURE (HBP)

refrigerant	model	disp. (cm³)	motor	voltage & frequency	EN12900 Evap 5°C / Cond 50°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-134a R-513A	AL4461Y-FZ1A	17.71	CSIR	220-240V 50Hz 1~	1501	2.39
	AL4480Y-FZ3A	19.95	CSR	220-240V 50Hz 1~	1964	2.6
R-404A R-448A R-449A R-452A	AL4480Z-FZ3B	15.10	CSR	220-240V 50Hz 1~	1964	2.3
	AL4480Z-FZ3A	15.10	NTCCSR	220-240V 50Hz 1~	1964	2.3
	AL4510Z-FZ3B	17.71	CSR	220-240V 50Hz 1~	2236	2.18
	AL4510Z-FZ3A	17.71	NTCCSR	220-240V 50Hz 1~	2236	2.18

NEW NTCCSR SOLUTION

The NTC component is Tecumseh's latest solution for compressors equipped with CSR-type motors (start and run capacitor).



CURRENT JUNIOR BOX

space limitation

many parts



NEW NTCCSR CONNECTION BOX

compact size

optimized parts

AJ SERIES



COOLING PERFORMANCE

LOW BACK PRESSURE (LBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	EN12900 Evap -35°C / Cond 40°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-404A R-452A	CAJ2428Z	15.2	CSR/TRI	220-240V 50Hz 1~ 100V 50Hz 1~ - 115V 60Hz 1~ 208-220V 60Hz 1~ 400V 50Hz 3~ / 440V 60Hz 3~	310	0.90
	CAJ2432Z	18.3	CSR/TRI		390	0.99
	CAJ2440Z	21.0	CSR/TRI		480	0.97
	CAJ2446Z	26.2	CSR/TRI		630	1.00
	CAJ2464Z	34.5	CSR/TRI		830	0.98
R-455A	AJ2432P	18.3	CSR/TRI	220-240V 50Hz 1~ 208-220V 60Hz 1~ 400V 50Hz 3~ / 440V 60Hz 3~	362	1.01
R-454C	AJ2432P	18.3	CSR/TRI		321	0.95
R-455A	AJ2440P	21.0	CSR/TRI		467	1.05
R-454C	AJ2440P	21.0	CSR/TRI		411	1.02
R-455A	AJ2446P	26.2	CSR/TRI		544	0.99
R-454C	AJ2446P	26.2	CSR/TRI		474	0.96
R-455A	AJ2464P	34.5	CSR/TRI		748	1.03
R-454C	AJ2464P	34.5	CSR/TRI		643	0.97
R-290	AJ2446U	26.2	CSR	220-240V 50Hz 1~ 100V 50Hz 1~ - 115V 60Hz 1~ 208-220V 60Hz 1~	580	1.12
	AJ2464U	34.5	CSR		830	1.16
	AJ2475U	39.2	CSR	220-240V 50Hz 1~	940	1.20

HIGH BACK PRESSURE (HBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	EN12900 Evap 5°C / Cond 50°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-404A R-452A	CAJ9480Z	15.2	CSR/TRI	220-240V 50Hz 1~ 208-220V 60Hz 1~ 208-220V 50Hz 1~ 400V 50Hz 3~ / 440V 60Hz 3~	1880	2.10
	CAJ9510Z	18.3	CSR/TRI		2350	2.13
	CAJ9513Z	24.2	CSR/TRI		3030	2.28
	CAJ4517Z	25.9	CSR/TRI		3320	2.24
	CAJ4519Z	34.5	CSR/TRI		4360	2.09
R-455A	AJ4480P	15.2	CSR/TRI	220-240V 50Hz 1~ 400V 50Hz 3~ / 440V 60Hz 3~	1960	2.36
R-454C	AJ4480P	15.2	CSR/TRI		1725	2.27
R-455A	AJ4510P	18.3	CSR/TRI		2345	2.27
R-454C	AJ4510P	18.3	CSR/TRI		2080	2.16
R-455A	AJ4513P	24.4	CSR/TRI		3090	2.45
R-454C	AJ4513P	24.4	CSR/TRI		2745	2.39
R-455A	AJ4517P	25.9	CSR/TRI		3390	2.44
R-454C	AJ4517P	25.9	CSR/TRI		3060	2.43
R-455A	AJ4519P	34.5	CSR/TRI		4225	2.35
R-454C	AJ4519P	34.5	CSR/TRI		3845	2.30

AJ SERIES



COOLING PERFORMANCE

HIGH BACK PRESSURE (HBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	EN12900 Evap 7.2°C / Cond 54.4°C / Liq 46°C / RG 35°C	
					capacity (W)	COP (W/W)
R-290	AJ4510U	18.3	TRI	400V 50Hz 3~ / 440V 60Hz 3~	2075	2.60
	AJ4513U	25.9	CSR	220-240V 50Hz 1~ 208-220V 60Hz 1~ 100V 50Hz 1~ - 115V 60Hz 1~	2840	2.60
	AJ4518U	34.4	CSR		3880	2.53
R-1234yf R-134a R-513A	AJ4461N	18.3	CSIR/CSR/TRI	220-240V 50Hz 1~ 400V 50Hz 3~ / 440V 60Hz 3~	1339	2.01
	AJ4476N	22.8	CSIR/CSR/TRI		1634	2.14
	AJ4492N	25.9	CSIR/CSR/TRI		2036	2.13
	AJ4511N	32.7	CSIR/CSR/TRI		2529	2.28
	AJ4513N	34.5	CSIR/CSR/TRI		2618	2.22
R-134a	CAJ4461Y	18.3	CSIR/CSR	208V-220V 50Hz 1~ 208-220V 60Hz 1~ 100V 50Hz 1~ - 115V 60Hz 1~	1392	2.21
	CAJ4476Y	22.8	CSIR/CSR		1765	2.24
	CAJ4492Y	25.9	CSIR/CSR		2087	2.24
	CAJ4511Y	32.7	CSIR/CSR		2739	2.51



FH SERIES



COOLING PERFORMANCE

LOW BACK PRESSURE (LBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	EN12900 Evap -35°C / Cond 40°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-455A	FH2480P	54.3	CSR/TRI	220-240V 50Hz 1~ 208-220V 60Hz 1~ 220V 50/60Hz 3~ 400V 50Hz 3~ 440V 60Hz 3~	1004	1.16
R-454C	FH2480P	54.3	CSR/TRI		878	1.16
R-455A	FH2511P	68.0	CSR/TRI		1536	1.21
R-454C	FH2511P	68.0	CSR/TRI		1337	1.20
R-290	FH2480U	54.3	TRI	400V 50Hz 3~ 440V 60Hz 3~	1026	1.17
	FH2511U	68.0	TRI		1422	1.22

HIGH BACK PRESSURE (HBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	EN12900 Evap 5°C / Cond 50°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-455A	FH4522P	39.6	CSR/TRI	220-240V 50Hz 1~ 208-220V 60Hz 1~ 220V 50/60Hz 3~ 400V 50Hz 3~ 440V 60Hz 3~	4934	2.88
R-454C	FH4522P	39.6	CSR/TRI		4625	2.98
R-455A	FH4524P	43.3	CSR/TRI		5414	2.76
R-454C	FH4524P	43.3	CSR/TRI		5065	2.91
R-455A	FH4532P	50.6	CSR/TRI		6273	2.79
R-454C	FH4532P	50.6	CSR/TRI		5886	2.91
R-455A	FH4538P	63.0	CSR/TRI		8306	2.81
R-454C	FH4538P	63.0	CSR/TRI		7791	2.93
R-455A	FH4544P	68.0	CSR/TRI	220-240V 50Hz 1~ 400V 50Hz 3~ 440V 60Hz 3~	9030	2.63
R-454C	FH4544P	68.0	CSR/TRI		8478	2.74
R-290	FH4522U	43.1	TRI	400V 50Hz 3~ 440V 60Hz 3~	4619	2.96
	FH4535U	63.0	TRI		7478	3.10
	FH4539U	68.0	TRI		8094	3.17
R-1234yf R-134a R-513A	FH4518N	48.5	TRI	400V 50Hz 3~ 440V 60Hz 3~	3491	2.67
	FH4525N	63.0	TRI		4639	2.66
	FH4527N	68.0	TRI		5602	2.46

AG SERIES



COOLING PERFORMANCE

LOW BACK PRESSURE (LBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	EN12900 Evap -35°C / Cond 40°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-404A R-452A	TAG2513Z	100.0	TRI	400V 50Hz 3~ 440V 60Hz 3~ 220V 50Hz 3~ 220V 60Hz 3~	1546	0.94
	TAG2516Z	112.5	TRI		1990	1.15
	TAG2519Z	124.4	TRI		2356	1.19
	TAG2522Z	135.0	TRI		2726	1.22
	TAG2525Z	145.0	TRI		3032	1.2
R-455A	AG2513P-TZ	100.7	TRI	400V 50Hz 3~ 440V 60Hz 3~	1250	0.94
R-454C	AG2513P-TZ	100.7	TRI		1080	0.91
R-455A	AG2516P-TZ	112.5	TRI		1500	0.96
R-454C	AG2516P-TZ	112.5	TRI		1280	0.92
R-455A	AG2519P-TZ	124.4	TRI		1980	1.05
R-454C	AG2519P-TZ	124.4	TRI		1715	1.02
R-455A	AG2522P-TZ	135.0	TRI		2370	1.14
R-454C	AG2522P-TZ	135.0	TRI		2075	1.12
R-455A	AG2525P-TZ	145.0	TRI		2534	1.15
R-454C	AG2525P-TZ	145.0	TRI		2225	1.14
R-290	AG2518U	124.0	TRI	400V 50Hz 3~ 440V 60Hz 3~	1910	1.06
	AG2521U	145.0	TRI		2530	1.17

HIGH BACK PRESSURE (HBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	EN12900 Evap 5°C / Cond 50°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-404A R-452A	TAG4546Z	90.2	TRI	400V 50Hz 3~ 440V 60Hz 3~ 220V 50Hz 3~ 220V 60Hz 3~	9898	2.39
	TAG4553Z	100.7	TRI		11094	2.33
	TAG4561Z	112.5	TRI		12320	2.29
	TAG4568Z	124.4	TRI		14474	2.44
	TAG4573Z	135.0	TRI		15413	2.29
	TAG4581Z	145.0	TRI		16848	2.35
R-455A	AG4546P	90.2	TRI	400V 50Hz 3~ 440V 60Hz 3~	9400	2.52
R-454C	AG4546P	90.2	TRI		8350	2.50
R-455A	AG4553P	100.7	TRI		11165	2.72
R-454C	AG4553P	100.7	TRI		10150	2.66
R-455A	AG4561P	112.5	TRI		13410	2.66
R-454C	AG4561P	112.5	TRI		11935	2.62
R-455A	AG4568P	124.4	TRI		14440	2.61
R-454C	AG4568P	124.4	TRI		13310	2.78
R-455A	AG4573P	135.0	TRI		15810	2.62
R-454C	AG4573P	135.0	TRI		14420	2.62
R-455A	AG4581P	145.0	TRI		17705	2.58
R-454C	AG4581P	145.0	TRI		15760	2.56



AG SERIES

COOLING PERFORMANCE

HIGH BACK PRESSURE (HBP)

refrigerant	model	disp. (cm^3)	motor	voltage & frequency	EN12900 Evap 5°C / Cond 50°C / SC 0K / RG 20°C	
					capacity (W)	COP (W/W)
R-290	AG4555U	112.5	TRI	400V 50Hz 3~ 440V 60Hz 3~	11100	2.80
	AG4565U	135.0	TRI		13705	2.80
	AG4575U	145.0	TRI		15690	2.83
R-1234yf R-134a R-513A	AG4528N	90.2	TRI	400V 50Hz 3~ 440V 60Hz 3~	5638	2.44
	AG4534N	100.7	TRI		6528	2.45
	AG4537N	112.5	TRI		7387	2.43
	AG4543N	124.4	TRI		8252	2.42
	AG4547N	135.0	TRI		9165	2.36



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