

## Compressor Specifications for Chiller

### Specifications of R-410A Inverter Rotary Compressor

Models	Capacity Range (min ~ max)			Performance at 60 rps						Weight (kgs.)	Oil Q'ty (cc.)	
				Capacity		Input		COP.	EER.			
	Watt	Kcal/hr	BTU/hr	W	BTU/hr	Watt	Amps	(w/w)	(Btu/hr*w)			
<b>a) DC Inverter (Cooling Condition)</b>												
SNB110FGYMT(15-130RPS)	723~8,046	621~6,918	2,466~27,453	3,400	11,601	1,035	7.00	3.29	11.21	7.8	350	
SNB130FQYMT(10-130RPS)	683~8,883	746~8,322	2,331~30,309	4,100	13,989	1,245	8.40	3.29	11.24	8.1	350	
SNB140FRUMT(15-107RPS)	907~5,364	779~4,607	3,094~18,301	3,880	13,239	1,230	3.80	3.15	10.76	8.2	350	
SNB172FEKMT(15-130RPS)	1,330~10,835	1,143~9,315	4,538~36,970	4,830	16,480	1,560	6.70	3.10	10.56	8.6	400	
TNB220FLHMT(15-120RPS)	1,602~14,392	1,377~12,374	5,466~49,106	7,130	24,328	2,200	9.70	3.24	11.06	14.0	870	
TNB306FPGMT(15-120RPS)	2,245~20,676	1,930~17,777	7,660~70,548	9,880	33,711	3,010	13.50	3.28	11.2	16.0	870	

Note: 1. Testing Condition : ASRE-T

### Specifications of R-407C Fixed Speed Scroll Compressor

Models	Capacity			Input		Normal Output		COP.	EER.	Run Cap.	Weight
	W	Kcal/hr	Btu/hr	Watt	Amps	HP	KW.	(W/W)	(Btu/hr*w)	(mF/VAC)	(kgs.)

#### Cooling Long Piping

##### a) Electrical 50 Hz : 220 - 240 Volt : 1 Phase

AE33VBNMT	5,600	4,815	19,110	1,790	8.30	2.01	1.50	3.13	10.67	40 / 420	33.6
AE42VBNMT	7,170	6,165	24,470	2,230	10.20	2.55	1.90	3.22	10.97	45 / 420	34.2
AE52VBNMT	9,160	7,876	31,250	2,760	12.90	3.15	2.35	3.32	11.32	50 / 420	36.0
AE60VBNMT	10,500	9,028	35,830	3,230	15.30	3.62	2.70	3.25	11.10	60 / 450	36.3

##### b) Electrical 50/60 Hz : 380 - 415/460 Volt : 3 Phases

AE33YBNMT	5,700	4,901	19,500	1,790	3.20	2.01	1.50	3.18	10.87	-	33.6
AE42YBNMT	7,300	6,277	24,910	2,250	3.24	2.55	1.90	3.24	11.07	-	34.2
AE47YBNMT	8,300	7,137	28,320	2,520	4.30	2.82	2.10	3.29	11.24	-	36.0
AE52YBNMT	9,100	7,825	31,050	2,730	4.70	3.15	2.35	3.33	11.37	-	36.0
AE60YBNMT	10,700	9,200	36,510	3,140	5.50	3.62	2.70	3.41	11.63	-	36.3
BE67YFEMT	12,100	10,404	40,950	3,650	6.10	4.43	3.30	3.32	11.31	-	43.8
BE72YFEMT	13,160	11,316	44,904	3,900	6.70	4.69	3.50	3.37	11.52	-	44.2
BE76YFEMT	13,920	11,969	47,500	4,090	7.00	4.96	3.70	3.40	11.62	-	44.2
BE82YFEMT	15,000	12,898	51,200	4,360	7.50	5.23	3.90	3.44	11.74	-	46.2
BE90YFEMT	16,520	14,205	56,370	4,800	8.20	5.50	4.10	3.44	11.74	-	46.2
BE96YFEMT	17,800	15,305	60,750	5,140	8.80	6.17	4.60	3.46	11.82	-	46.2

Note: 1. Testing Condition : ARI

2. For variety of oil quantity, please contact sales representative, Min - Max oil quantity is between 900-2300 cc.

### Specifications of R-410A Fixed Speed Scroll Compressor

Models	Capacity			Input		Normal Output		COP.	EER.	Run Cap.	Weight
	W	Kcal/hr	Btu/hr	Watt	Amps	HP	KW.	(W/W)	(Btu/hr*w)	(mF/VAC)	(kgs.)

#### Cooling Long Piping

##### a) Electrical 50 Hz : 220 - 240 Volt : 1 Phase

AN30VBFMT	7,670	6,595	26,170	2,570	11.90	3.08	2.30	2.98	10.18	50 / 420	37.3
AN33VBFMT	8,500	7,309	29,000	2,790	13.00	3.35	2.50	3.05	10.40	50 / 420	37.3
AN36VBFMT	9,450	8,126	32,250	3,100	14.60	3.55	2.65	3.05	10.40	55 / 420	37.6
AN40VBFMT	10,300	8,856	35,145	3,360	15.70	3.75	2.80	3.07	10.47	60 / 420	37.6
AN42VBFMT	10,700	9,200	36,510	3,540	16.90	4.02	3.00	3.02	10.31	60 / 450	37.6

##### b) Electrical 50 Hz : 380 - 415 Volt : 3 Phases

AN30YBFMT	7,650	6,578	26,100	2,500	4.40	3.08	2.30	3.06	10.44	-	37.6
AN33YBFMT	8,430	7,248	28,770	2,710	4.70	3.35	2.50	3.11	10.61	-	37.6
AN36YBFMT	9,500	8,169	32,420	3,080	5.20	3.75	2.80	3.08	10.52	-	37.9
AN42YBFMT	10,800	9,286	36,850	3,490	5.90	4.02	3.00	3.09	10.56	-	37.9
AN47YBFMT	12,130	10,430	41,390	3,830	6.60	4.49	3.35	3.17	10.81	-	37.8
AN52YBFMT	13,600	11,694	46,400	4,280	7.40	4.96	3.70	3.18	10.84	-	38.4
AN66YQKMT	17,450	15,003	59,539	5,460	9.30	5.77	4.30	3.20	10.90	-	38.5

Note: 1. Testing Condition : ARI

2. For variety of oil quantity, please contact sales representative, Min - Max oil quantity is between 900-2300 cc.

### Specifications of R-410A Inverter Scroll Compressor

Models	Capacity Range (min ~ max)			Performance at 60 rps						Weight (kgs.)
				Capacity		Input		COP.	EER.	
	Watt	Kcal/hr	BTU/hr	W	BTU/hr	Watt	Amps	(w/w)	(Btu/hr*w)	

#### Cooling Long Piping

##### a) DC Inverter 400 Volt

ANB33FBTMT(20-120RPS)	3,290~21,500	2,830~18,490	11,230~73,360	10,800	36,850	3,300	12.40	3.27	11.17	33.4
ANB42FBTMT(20-120RPS)	4,150~27,300	3,570~23,480	14,160~93,150	13,900	47,427	4,160	15.20	3.34	11.40	33.4
ANB52FKFMT(20-120RPS)	5,450~33,100	4,690~28,470	18,600~112,940	17,200	58,686	5,250	18.50	3.28	11.18	34.0
ANB66FKFMT(20-100RPS)	6,613~33,782	5,685~29,045	22,563~115,266	21,900	74,723	6,500	15.50	3.37	11.50	38.4
ANB66FBZMT(20-120RPS)	6,900~40,120	5,933~34,497	23,540~136,800	22,000	75,064	6,500	23.70	3.38	11.55	38.4

#### Cooling Short Piping

##### c) DC Inverter 400 Volt

ANB52FTMT(20-120RPS)	5,450~33,100	4,690~28,470	18,600~112,940	17,200	58,960	5,250	18.50	3.28	11.18	33.8
ANB66FVAMT(15-120RPS)	4,938~34,801	4,245~29,921	16,851~118,743	21,500	73,358	6,500	19.60	3.31	11.29	39.3

<b>ANB78FVAMT(15-120RPS)</b>	5,746~49,305	4,940~42,394	19,606~168,235	25,400	86,665	7,640	26.00	3.32	11.34	39.3
<b>ANB87FVLMT(15-120RPS)</b>	6,514~55,408	5,601~47,642	22,226~189,059	28,000	95,536	8,500	30.50	3.29	11.24	39.8

Note: 1. Testing Condition : ARI

2. For variety of oil quantity, please contact sales representative, Min - Max oil quantity is between 900-2300 cc.