

**ISOBUTANE COMPRESSOR LINE - 50Hz - LBP APPLICATION**

Compressor	Voltage	Displ. cm <sup>3</sup>	Oil ISO cSt	Max Height (mm)	Cooling Capacity			Efficiency without run capacitor			Efficiency with run capacitor			Run Cap μF
					ASHRAE		CECOMAF (W)	ASHRAE		CECOMAF (W/W)	ASHRAE		CECOMAF (W/W)	
					(kcal/h)	(W)		(kcal/Wh)	(W/W)		(kcal/Wh)	(W/W)		
NBT1114Y	K	10.00	10	200.0	137	159	120	1.24	1.45	1.14	1.35	1.57	1.24	4.0
NBT1116Y	K	12.12	10	200.0	168	195	147	1.25	1.46	1.15	1.36	1.58	1.25	4.0
NBM1117Y	N	12.12	15	200.0	170	198	149	1.22	1.42	1.12				
NBM1119Y	N	14.28	15	200.0	210	244	184	1.25	1.46	1.15				
BPK1058Y	Q	4.60	10	150.2	62	72	54	0.82	0.95	0.75	0.83	0.96	0.76	15.0
BPK1072Y	Q	5.61	10	150.2	76	89	67	0.88	1.03	0.81	0.90	1.05	0.83	15.0
NBT1112Y	Q	8.78	10	187.0	115	134	101	1.14	1.33	1.05	1.18	1.37	1.08	15.0
NBT1118Y	Q	14.28	10	207.0	197	229	173	1.22	1.42	1.12	1.26	1.47	1.16	15.0

**ISOBUTANE COMPRESSOR LINE - 60Hz - LBP APPLICATION**

Compressor	Voltage	Displ. cm <sup>3</sup>	Oil ISO cSt	Max Height (mm)	Cooling Capacity			Efficiency without run capacitor			Efficiency with run capacitor			Run Cap μF
					ASHRAE		CECOMAF (W)	ASHRAE		CECOMAF (W/W)	ASHRAE		CECOMAF (W/W)	
					(kcal/h)	(W)		(kcal/Wh)	(W/W)		(kcal/Wh)	(W/W)		
BPK1072Y	D	5.61	10	150.2	92	107	81	1.07	1.24	0.98	1.09	1.27	1.00	2.5
NBM1112Y	D	8.78	15	187.0	137	159	120	1.09	1.27	1.00				
BPK1058Y	Q	4.60	10	150.2	75	88	66	0.97	1.13	0.89	0.99	1.15	0.91	15.0
BPK1072Y	Q	5.61	10	150.2	91	106	80	1.05	1.22	0.96	1.07	1.24	0.98	15.0
NBT1112Y	Q	8.78	10	187.0	137	159	120	1.18	1.37	1.08	1.22	1.42	1.12	15.0
NBT1118Y	Q	14.28	10	207.0	233	270	204	1.26	1.47	1.16	1.31	1.52	1.20	15.0
NBM1116Y	U	12.12	15	200.0	188	219	165	1.07	1.24	0.98				

**ISOBUTANE COMPRESSOR LINE - 50Hz - HBP APPLICATION**

Compressor	Voltage	Displ. cm <sup>3</sup>	Oil ISO cSt	Max Height (mm)	Cooling Capacity			Efficiency without run capacitor			Efficiency with run capacitor			Run Cap μF
					ASHRAE		CECOMAF (W)	ASHRAE		CECOMAF (W/W)	ASHRAE		CECOMAF (W/W)	
					(kcal/h)	(W)		(kcal/Wh)	(W/W)		(kcal/Wh)	(W/W)		
BPE5125Y	Q	4.60	10	150.2	215	250	210	1.96	2.28	1.94				
BPE5132Y	Q	4.67	10	158.7	324	376	316	2.00	2.33	1.98				

**ISOBUTANE COMPRESSOR LINE - 60Hz - HBP APPLICATION**

Compressor	Voltage	Displ. cm <sup>3</sup>	Oil ISO cSt	Max Height (mm)	Cooling Capacity			Efficiency without run capacitor			Efficiency with run capacitor			Run Cap μF
					ASHRAE		CECOMAF (W)	ASHRAE		CECOMAF (W/W)	ASHRAE		CECOMAF (W/W)	
					(kcal/h)	(W)		(kcal/Wh)	(W/W)		(kcal/Wh)	(W/W)		
BPE5125Y	Q	4.60	10	150.2	255	296	249	2.33	2.71	2.30				
BPE5132Y	Q	4.67	10	158.7	380	442	371	2.33	2.71	2.30				

NOTES	FIRST VOLTAGE		SECOND VOLTAGE		TEST CONDITION	
	V	Hz	V	Hz	V	Hz
D	208-230	60			208	60
G	115	60			115	60
K	200-220	50	230	60	200	50
N	200-240	50	230	60	200	50
Q	100	50-60			100	50-60
U	220	60			220	60
W	220	50-60			220	50-60

TEST CONDITIONS	LBP		HBP	
	ASHRAE	CECOMAF	ASHRAE	CECOMAF
Evaporating temperature	-23.3°C	-25°C	7.2°C	5°C
Condensing temperature	54.4°C	55°C	54.4°C	55°C
Ambient temperature	32.2°C	32°C	35°C	32°C
Liquid temperature	32.2°C	55°C	46.1°C	55°C
Suction gas superheat.to	32.2°C	32°C	35°C	32°C

