

# Compresseur Embraco ,Aspera, nbm1118y, nby1118y ,coolant ,R600a ,NBY1118Y ,220-240V 50Hz, LBP ,fully hermetic, 10,8kg ,1/4HP

written by Lilianne | 9 May 2020

Compresseur Embraco ,Aspera, nbm1118y, nby1118y ,coolant  
,R600a ,nbt1118y ,220-240V 50Hz, LBP ,fully hermetic, 10,8kg  
,1/4HP

Mbsm\_dot\_pro\_private\_PDF\_embraco-compressors-  
catalogue-2017Télécharger

Mbsm\_dot\_pro\_private\_PDF\_Embraco\_NBY1118Y\_TDSTélécharger

|                          |                       |
|--------------------------|-----------------------|
| <b>refrigerant</b>       | R600a                 |
| <b>type</b>              | NBY1118Y              |
| <b>voltage</b>           | 220-240 V             |
| <b>frequency</b>         | 50 Hz                 |
| <b>application</b>       | LBP                   |
| <b>weight</b>            | 10,8 kg               |
| <b>power</b>             | 1/4 HP                |
| <b>power input</b>       | 185 W                 |
| <b>cylinder capacity</b> | 14,28 cm <sup>3</sup> |
| <b>motor system</b>      | RSIR                  |
| <b>height</b>            | 200 mm                |
| <b>power at -35°C</b>    | 116 W                 |
| <b>power at -30°C</b>    | 162 W                 |
| <b>power at -25°C</b>    | 214 W                 |
| <b>power at -20°C</b>    | 274 W                 |

|                |        |
|----------------|--------|
| power at -15°C | 343 W  |
| power at -10°C | 424 W  |
| power at -5°C  | – W    |
| power at 0°C   | – W    |
| power at +5°C  | – W    |
| power at +10°C | – W    |
| test method    | ASHRAE |

 **Embraco®**

**NBY1118Y**



ROHS



SUCTION →

THERMALLY PROTECTED

220-240V~50Hz

R 600a

MIN. OIL 280CC

1 PH

SKM

NO START WITHOUT STARTING DEVICE



816BA42

19/AUG/08

PA8HQHBL

Private Picture : [www.MBSM.PRO](http://www.MBSM.PRO)

| LBP                                      |                |      |       |                               |            |                   |             |
|------------------------------------------|----------------|------|-------|-------------------------------|------------|-------------------|-------------|
| EU PORTFOLIO TEST CONDITION ASHRAE LBP32 |                |      |       |                               |            |                   |             |
| MODEL                                    | DISPL.<br>(CC) | HP   | APPL. | VOLTAGE/FREQUENCY             | MOTOR TYPE | COOL. CAP.<br>(W) | COP<br>(WW) |
| EMY20CLC                                 | 3,97           | 1/12 | LBP   | 220-240V 50HZ 1 ~             | RSIR       | 61                | 1,40        |
| EMX20CLC                                 | 3,97           | 1/12 | LBP   | 220-240V 50HZ 1 ~             | RSCR       | 61                | 1,51        |
| EMY26CLC                                 | 5,20           | 1/12 | LBP   | 220-240V 50HZ 1 ~             | RSIR       | 83                | 1,50        |
| EMY32CLC                                 | 5,96           | 1/10 | LBP   | 220-240V 50HZ 1 ~             | RSIR       | 97                | 1,51        |
| EMX32CLC                                 | 5,96           | 1/10 | LBP   | 220-240V 50HZ 1 ~             | RSCR       | 102               | 1,66        |
| EMX3109Y                                 | 6,20           | UD   | L/MBP | 100V 50HZ / 100-127V 60HZ 1 ~ | RSIR/RSCR  | UD                | UD          |
| EMY40CLC                                 | 7,24           | 1/8  | LBP   | 220-240V 50HZ 1 ~             | RSIR       | 119               | 1,53        |
| EMY46CLC                                 | 7,96           | 1/8  | LBP   | 220-240V 50HZ 1 ~             | RSIR       | 135               | 1,56        |
| EMX46CLC                                 | 7,96           | 1/8  | LBP   | 220-240V 50HZ 1 ~             | RSCR       | 135               | 1,66        |
| EMX3113Y                                 | 9,04           | 1/6  | L/MBP | 100V 50HZ / 100-127V 60HZ 1 ~ | RSCR       | 155               | 1,75        |
| EMY55CLP                                 | 9,05           | 1/6  | LBP   | 220-240V 50HZ 1 ~             | RSIR       | 156               | 1,56        |
| EMX55CLC                                 | 9,05           | 1/6  | LBP   | 220-240V 50HZ 1 ~             | RSCR       | 155               | 1,72        |
| EMX3115Y                                 | 10,61          | 1/5  | L/MBP | 100V 50HZ / 100-127V 60HZ 1 ~ | RSCR       | 184               | 1,67        |
| EMY66CLP                                 | 10,62          | 1/5  | LBP   | 220-240V 50HZ 1 ~             | RSIR       | 177               | 1,54        |
| EMX70CLC                                 | 11,15          | 1/5  | LBP   | 220-240V 50HZ 1 ~             | RSCR       | 191               | 1,71        |
| EMX3118Y                                 | 12,20          | 1/5  | L/MBP | 100V 50HZ / 100-127V 60HZ 1 ~ | RSCR       | 212               | 1,66        |
| EMY3118Y                                 | 12,20          | 1/5  | L/MBP | 220-240V 50HZ 1 ~             | RSIR       | 213               | 1,58        |
| EMY3118Y                                 | 12,20          | 1/5  | L/MBP | 220-240V 50HZ 1 ~             | RSCR       | 212               | 1,49        |
| EMX3118Y                                 | 12,20          | 1/5  | L/MBP | 220-240V 50HZ 1 ~             | RSCR       | 211               | 1,75        |
| EMX80CLT                                 | 12,21          | 1/5  | LBP   | 220-240V 50HZ 1 ~             | RSCR       | 212               | 1,74        |
| NBY1118Y                                 | 14,28          | 1/4  | LBP   | 220-240V 50HZ 1 ~             | RSCR       | 244               | 1,74        |

**Private Picture : [www.MBSM.PRO](http://www.MBSM.PRO)**

|                                    |                              |
|------------------------------------|------------------------------|
| Site de production                 | Slovaquie                    |
| marque                             | Embraco                      |
| Type de compresseur                | Piston hermétique            |
| Régime de travail                  | LBP (-23,3 ° C / + 54,4 ° C) |
| Puissance du compresseur (Hp)      | -                            |
| Approvisionnement en électricité   | 220-240V                     |
| Réfrigérant                        | R600a                        |
| Capacité de refroidissement (Watt) | 244                          |
| Moteur Tipi                        | 1 Faz - RSCR                 |
| BON.                               | 816BA47L4UJ                  |
| Modèle de compresseur              | NBY1118Y                     |
| Volume de balayage (cm3 / rev)     | 14,28                        |
| Fréquence (Hz)                     | 50                           |
| Ligne d'aspiration                 | 1/4"                         |
| Ligne de presse                    | 3/16"                        |

**Private Picture : [www.MBSM.PRO](http://www.MBSM.PRO)**





Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

Mbsm\_dot\_pro\_private\_PDF\_\_NBT1118YTélécharger  
Mbsm\_dot\_pro\_private\_PDF\_\_NBT1118YTélécharger

R 600A 220-240V 50HZ COMPRESSORS

ISOBUTANE COMPRESSOR LINE - 50Hz - LBP APPLICATION

| Compressor | Displ.<br>cm³ | Oil ISO | Max Height<br>(mm) | Coding Capacity |     |         | Efficiency without run capacitor |       |         |           | Efficiency with run capacitor |         |           |       | Efficiency with run capacitor + TSD |           |       |         | Run Cap<br>µF |
|------------|---------------|---------|--------------------|-----------------|-----|---------|----------------------------------|-------|---------|-----------|-------------------------------|---------|-----------|-------|-------------------------------------|-----------|-------|---------|---------------|
|            |               |         |                    | ASHRAE          |     | CECOMAF | ASHRAE                           |       | CECOMAF | ASHRAE    |                               | CECOMAF | ASHRAE    |       | CECOMAF                             | ASHRAE    |       | CECOMAF |               |
|            |               |         |                    | (kcal/h)        | (W) | (W)     | (kcal/Wh)                        | (W/W) | (W/W)   | (kcal/Wh) | (W/W)                         | (W/W)   | (kcal/Wh) | (W/W) | (W/W)                               | (kcal/Wh) | (W/W) | (W/W)   |               |
| SPK104EY   | 3.44          | 10      | 150.2              | 42              | 49  | 37      | 0.97                             | 1.13  | 0.99    | 0.99      | 1.15                          | 0.91    |           |       |                                     |           |       |         | 2.5           |
| SPK105EY   | 4.60          | 10      | 150.2              | 62              | 72  | 54      | 1.05                             | 1.22  | 0.96    | 1.07      | 1.24                          | 0.98    |           |       |                                     |           |       |         | 2.5           |
| SPK1072Y   | 5.61          | 10      | 150.2              | 76              | 89  | 67      | 1.09                             | 1.27  | 1.00    | 1.11      | 1.29                          | 1.02    |           |       |                                     |           |       |         | 2.5           |
| SPK1084Y   | 6.67          | 10      | 150.2              | 91              | 106 | 80      | 1.09                             | 1.27  | 1.00    | 1.11      | 1.29                          | 1.02    |           |       |                                     |           |       |         | 2.5           |
| SPK1111Y   | 8.87          | 10      | 158.7              | 122             | 142 | 107     | 1.11                             | 1.29  | 1.02    | 1.13      | 1.32                          | 1.04    |           |       |                                     |           |       |         | 2.5           |
| SPK1114Y   | 10.10         | 10      | 158.7              | 137             | 159 | 120     | 1.09                             | 1.27  | 1.00    | 1.11      | 1.29                          | 1.02    |           |       |                                     |           |       |         | 2.5           |
| EMT26CLP   | 5.19          | 7       | 158.0              | 73              | 85  | 64      | 1.06                             | 1.24  | 0.98    | 1.12      | 1.30                          | 1.03    |           |       |                                     |           |       |         | 2.5           |
| EMT32CLP   | 5.96          | 7       | 158.0              | 83              | 97  | 73      | 1.09                             | 1.27  | 1.00    | 1.16      | 1.35                          | 1.06    |           |       |                                     |           |       |         | 2.5           |
| EMT40CLP   | 7.23          | 7       | 158.0              | 104             | 121 | 91      | 1.10                             | 1.28  | 1.01    | 1.17      | 1.36                          | 1.07    |           |       |                                     |           |       |         | 2.5           |
| EMT46CLP   | 7.96          | 7       | 158.0              | 116             | 135 | 102     | 1.11                             | 1.29  | 1.02    | 1.18      | 1.37                          | 1.08    |           |       |                                     |           |       |         | 2.5           |
| EMU26CLC   | 5.19          | 7       | 158.0              | 73              | 85  | 64      | 1.17                             | 1.36  | 1.07    | 1.22      | 1.42                          | 1.12    |           |       |                                     |           |       |         | 4.0           |
| EMU32CLC   | 5.96          | 7       | 158.0              | 83              | 97  | 73      | 1.18                             | 1.37  | 1.08    | 1.23      | 1.43                          | 1.13    |           |       |                                     |           |       |         | 4.0           |
| EMU40CLC   | 7.23          | 7       | 158.0              | 104             | 121 | 91      | 1.20                             | 1.39  | 1.10    | 1.26      | 1.46                          | 1.16    |           |       |                                     |           |       |         | 4.0           |
| EMU46CLC   | 7.96          | 7       | 166.0              | 116             | 135 | 102     | 1.20                             | 1.39  | 1.10    | 1.25      | 1.46                          | 1.15    |           |       |                                     |           |       |         | 4.0           |
| EMY20CLC   | 4.15          | 7       | 166.0              | 53              | 62  | 47      |                                  |       |         | 1.20      | 1.40                          | 1.10    | 1.26      | 1.47  | 1.16                                |           |       |         | 2.5           |
| EMY26CLC   | 5.19          | 7       | 166.0              | 73              | 85  | 64      |                                  |       |         | 1.28      | 1.49                          | 1.18    | 1.33      | 1.54  | 1.22                                |           |       |         | 2.5           |
| EMY32CLC   | 5.96          | 7       | 166.0              | 83              | 97  | 73      |                                  |       |         | 1.30      | 1.51                          | 1.19    | 1.34      | 1.56  | 1.23                                |           |       |         | 2.5           |
| EMY40CLC   | 7.23          | 7       | 166.0              | 104             | 121 | 91      |                                  |       |         | 1.32      | 1.53                          | 1.21    | 1.35      | 1.57  | 1.24                                |           |       |         | 4.0           |
| EMY46CLP   | 7.96          | 7       | 166.0              | 116             | 135 | 102     | 1.25                             | 1.45  | 1.15    | 1.34      | 1.55                          | 1.23    | 1.37      | 1.59  | 1.26                                |           |       |         | 4.0           |
| EMY55CLP   | 8.59          | 7       | 166.0              | 127             | 148 | 111     | 1.24                             | 1.44  | 1.14    | 1.34      | 1.55                          | 1.23    | 1.37      | 1.59  | 1.26                                |           |       |         | 4.0           |
| NBM1112Y   | 8.78          | 15      | 187.0              | 117             | 137 | 103     | 1.12                             | 1.30  | 1.03    |           |                               |         |           |       |                                     |           |       |         |               |
| NBM1114Y   | 10.00         | 15      | 187.0              | 136             | 159 | 119     | 1.14                             | 1.32  | 1.05    |           |                               |         |           |       |                                     |           |       |         |               |
| NBM1116Y   | 12.12         | 15      | 200.0              | 171             | 199 | 149     | 1.20                             | 1.39  | 1.10    |           |                               |         |           |       |                                     |           |       |         |               |
| NBM1118Y   | 14.28         | 15      | 200.0              | 200             | 233 | 175     | 1.21                             | 1.41  | 1.11    |           |                               |         |           |       |                                     |           |       |         |               |
| NBT1112Y   | 8.78          | 10      | 187.0              | 117             | 137 | 103     | 1.21                             | 1.41  | 1.11    | 1.28      | 1.49                          | 1.17    |           |       |                                     |           |       |         | 4.0           |
| NBT1114Y   | 10.00         | 10      | 187.0              | 136             | 160 | 120     | 1.22                             | 1.42  | 1.12    | 1.29      | 1.49                          | 1.18    |           |       |                                     |           |       |         | 4.0           |
| NBT1116Y   | 12.12         | 10      | 200.0              | 171             | 199 | 150     | 1.28                             | 1.49  | 1.18    | 1.35      | 1.57                          | 1.24    |           |       |                                     |           |       |         | 4.0           |
| NBT1118Y   | 14.28         | 10      | 200.0              | 201             | 233 | 176     | 1.27                             | 1.48  | 1.17    | 1.34      | 1.56                          | 1.23    |           |       |                                     |           |       |         | 4.0           |
| NBU1112Y   | 8.78          | 7       | 187.0              | 125             | 146 | 110     |                                  |       |         | 1.40      | 1.62                          | 1.26    |           |       |                                     |           |       |         | 4.0           |
| NBU1114Y   | 10.00         | 7       | 187.0              | 145             | 169 | 127     |                                  |       |         | 1.40      | 1.63                          | 1.26    |           |       |                                     |           |       |         | 4.0           |
| NBU1115Y   | 11.00         | 7       | 200.0              | 165             | 192 | 144     |                                  |       |         | 1.44      | 1.67                          | 1.32    |           |       |                                     |           |       |         | 4.0           |
| NBU1116Y   | 12.12         | 7       | 200.0              | 180             | 209 | 158     |                                  |       |         | 1.44      | 1.68                          | 1.33    |           |       |                                     |           |       |         | 4.0           |
| NBU1118Y   | 14.28         | 7       | 200.0              | 211             | 246 | 185     |                                  |       |         | 1.43      | 1.66                          | 1.31    |           |       |                                     |           |       |         | 4.0           |

Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)